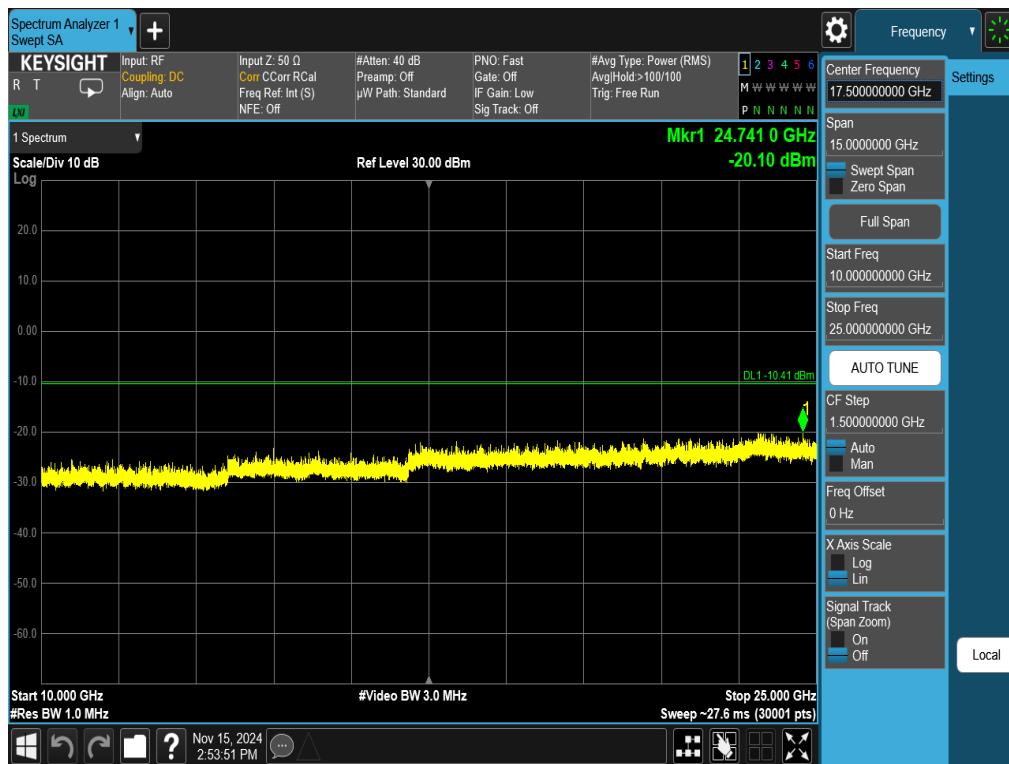
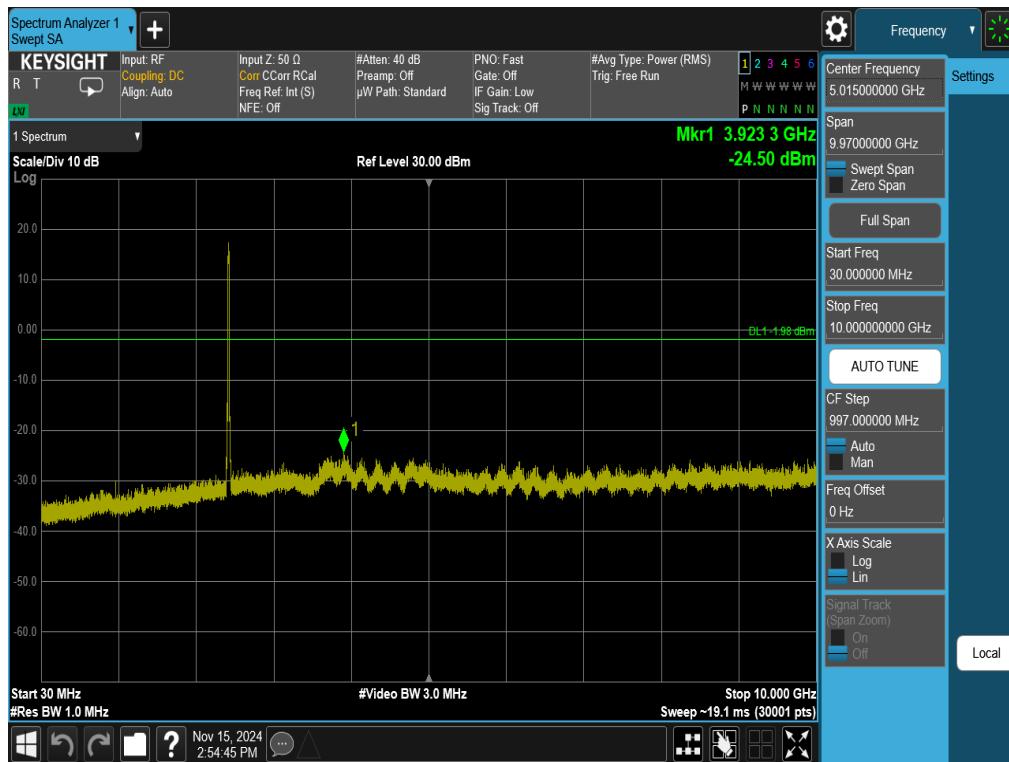


Plot 7-61. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 1)

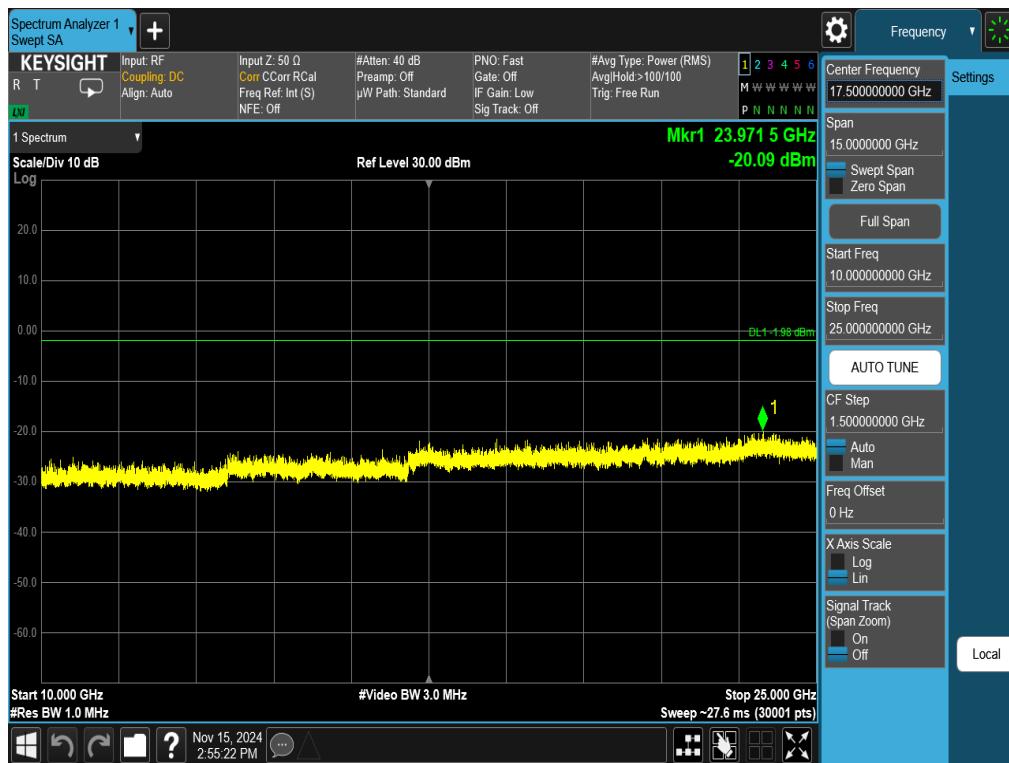


Plot 7-62. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 1)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 63 of 113

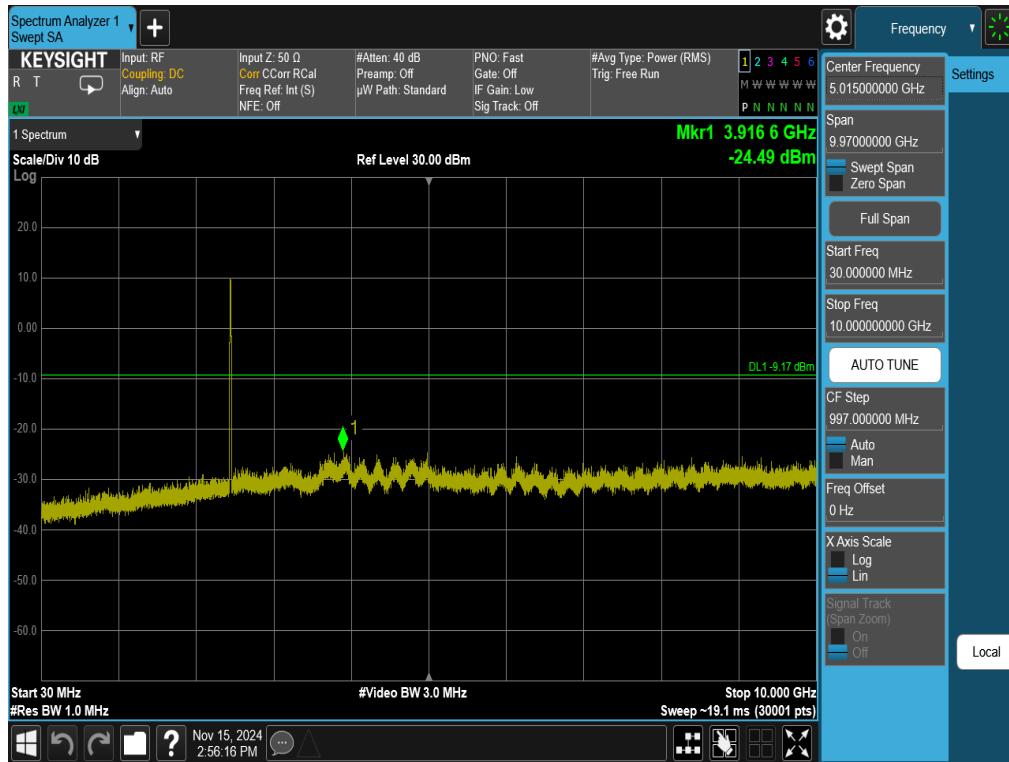


Plot 7-63. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6)

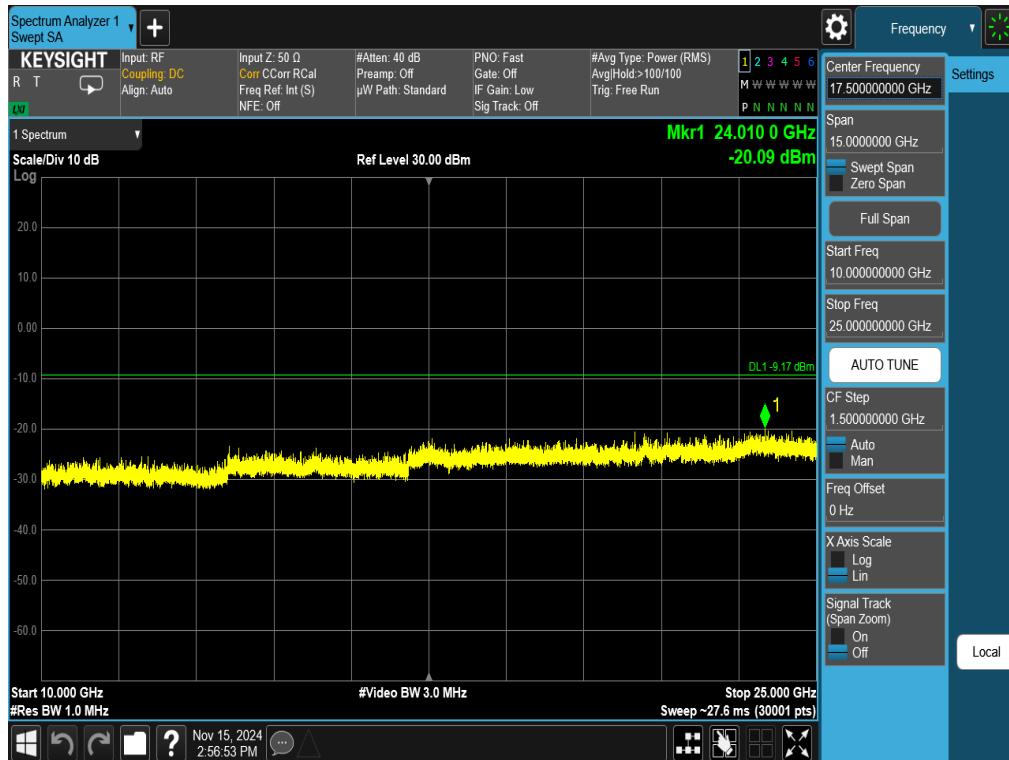


Plot 7-64. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 64 of 113



Plot 7-65. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 11)



Plot 7-66. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 11)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 65 of 113

7.7 Radiated Spurious Emissions – Above 1 GHz

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-24 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μ V/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-24. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Subclause 6.6.4.3
KDB 558074 D01 v05r02 – Sections 8.6, 8.7

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of Measurement points = 1001 (Number of points must be $\geq 2 \times$ span/RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

The EUT and Measurement equipment were set up as shown in the diagram below.

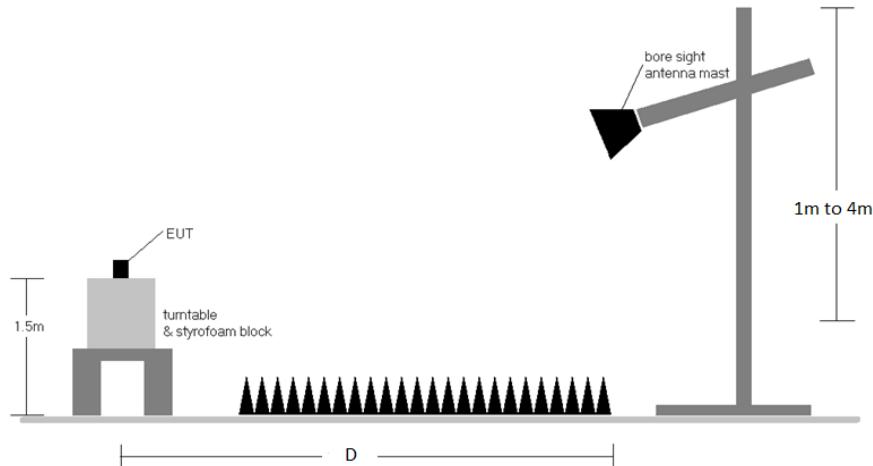


Figure 7-6. Radiated Measurement Setup

Test Notes

1. The optional test procedures for antenna port conducted Measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All Radiated Spurious Emissions levels were measured in a radiated test setup.
2. All emissions lying in restricted bands specified in Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-24.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak Measurements were taken using linearly polarized horn antennas.
6. D is the Measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The "-" shown in the following RSE tables are used to denote a noise floor Measurement.
9. All data rates were investigated and only the worst case is reported.
10. For radiated Measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [$\text{dB}_{\mu\text{V/m}}$] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [$\text{dB}_{\mu\text{V/m}}$] – Limit [$\text{dB}_{\mu\text{V/m}}$]

Radiated Band Edge Measurement Offset

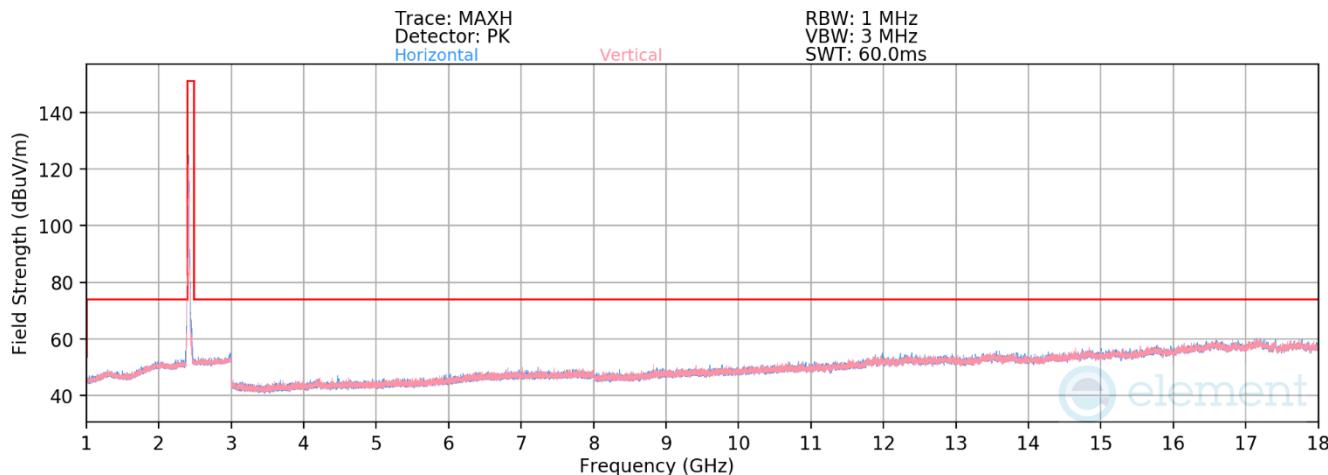
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.2 - 7.7.4 was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 68 of 113

7.7.1 CDD Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



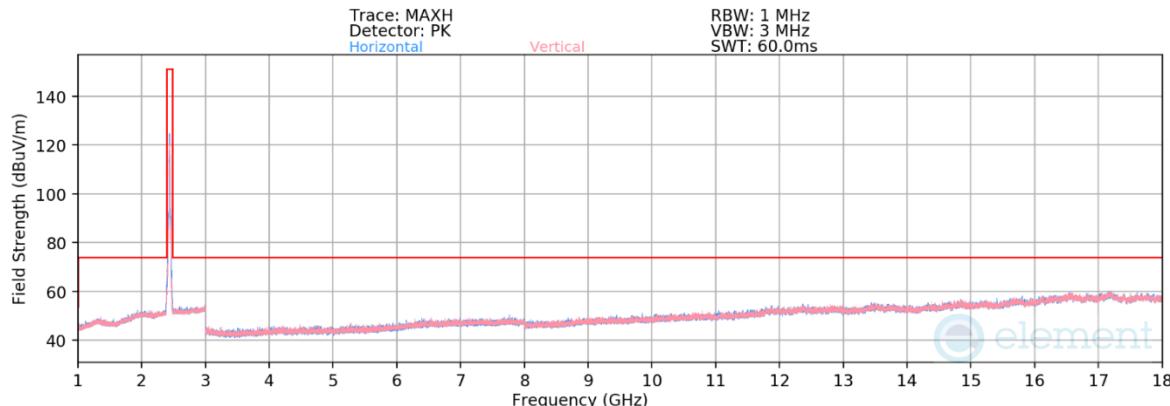
Plot 7-67. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 1)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 01

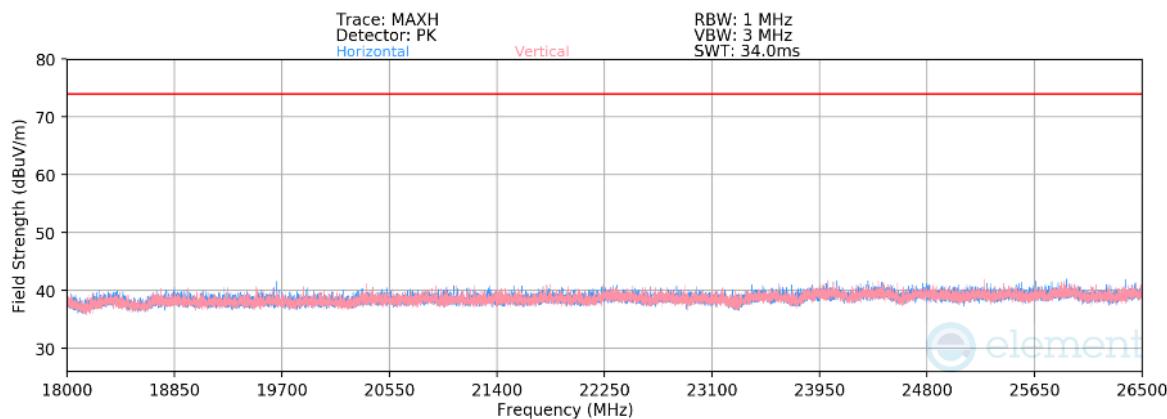
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4824.00	Average	V	-	-	-79.75	7.47	34.72	53.98	-19.26
4824.00	Peak	V	-	-	-67.65	6.99	46.34	73.98	-27.64
12060.00	Average	V	-	-	-82.56	18.03	42.47	53.98	-11.51
12060.00	Peak	V	-	-	-71.39	17.58	53.19	73.98	-20.79

Table 7-25. Radiated Measurements CDD (RU26)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 69 of 113



Plot 7-68. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 6)



Plot 7-69. Radiated Spurious Emissions above 18GHz CDD (802.11ax OFDMA – RU26 – Ch. 6)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 06

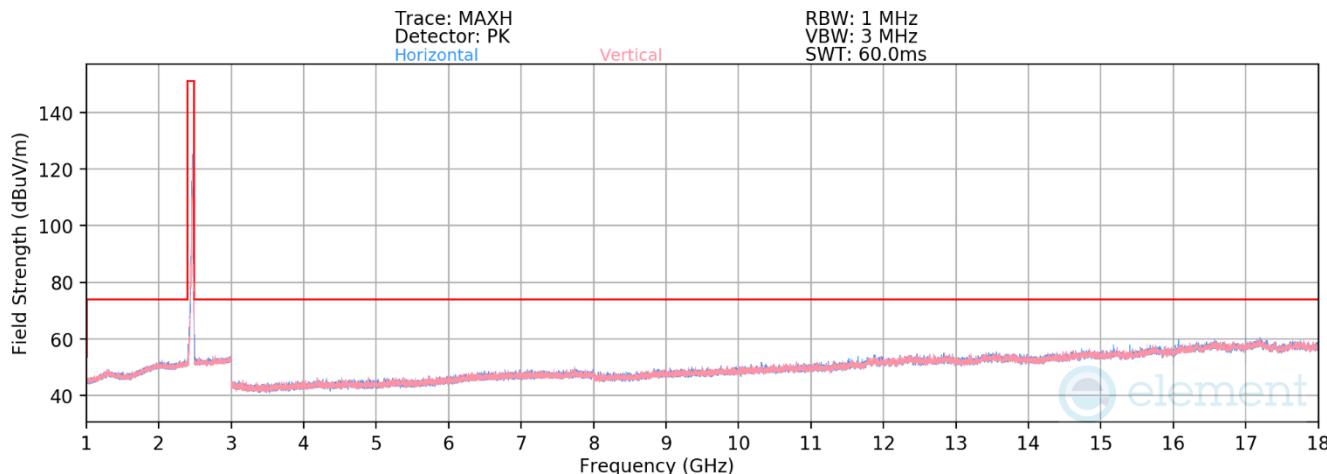
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4874.00	Average	H	-	-	-79.44	7.23	34.79	53.98	-19.19
4874.00	Peak	H	-	-	-68.12	7.23	46.11	73.98	-27.87
7311.00	Average	H	-	-	-80.00	10.43	37.43	53.98	-16.55
7311.00	Peak	H	-	-	-68.85	10.57	48.73	73.98	-25.25
12185.00	Average	H	-	-	-82.73	17.90	42.17	53.98	-11.81
12185.00	Peak	H	-	-	-71.81	17.90	53.09	73.98	-20.89

Table 7-26. Radiated Measurements CDD (RU26)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device				

V 10.6 10/27/2023

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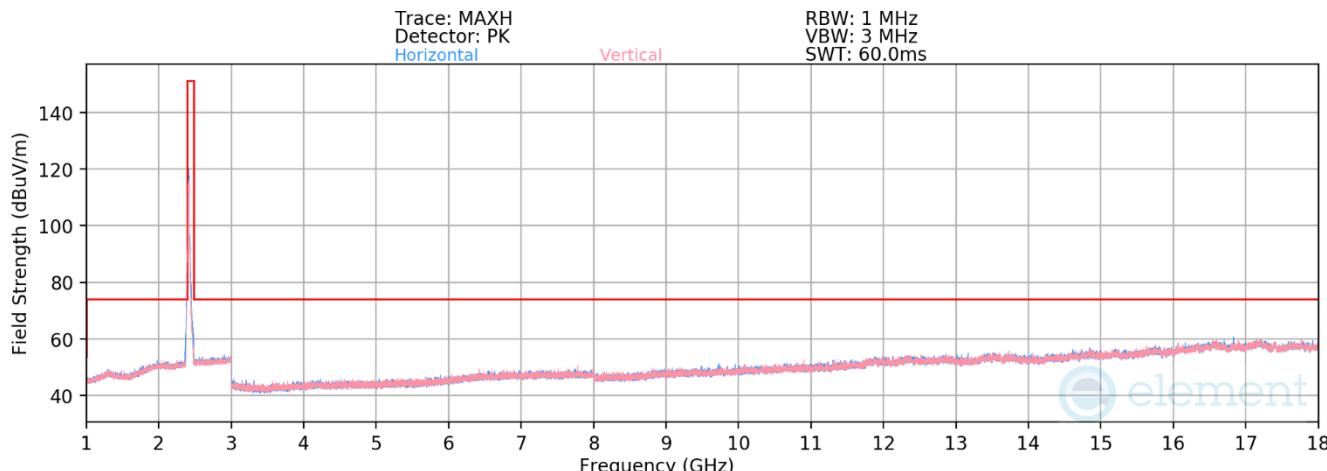
Plot 7-70. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 11)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4924.00	Average	H	-	-	-80.13	7.58	34.45	53.98	-19.53
4924.00	Peak	H	-	-	-67.92	7.20	46.29	73.98	-27.69
7386.00	Average	V	-	-	-80.55	10.76	37.21	53.98	-16.77
7386.00	Peak	V	-	-	-68.41	10.48	49.06	73.98	-24.92
12310.00	Average	V	-	-	-82.71	18.71	43.00	53.98	-10.98
12310.00	Peak	V	-	-	-71.19	18.71	54.52	73.98	-19.46

Table 7-27. Radiated Measurements CDD (RU26)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 71 of 113



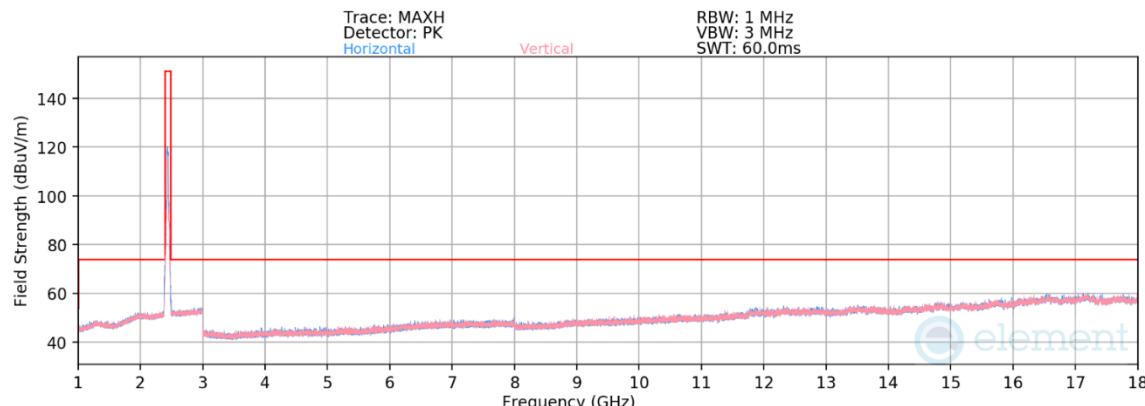
Plot 7-71. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 1)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 01

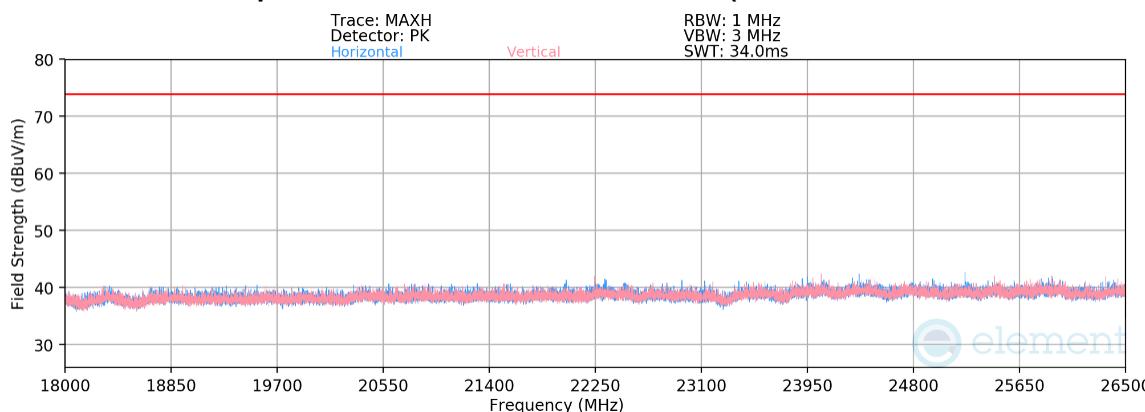
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4824.00	Average	V	-	-	-80.13	7.47	34.34	53.98	-19.64
4824.00	Peak	V	-	-	-68.86	7.47	45.61	73.98	-28.37
12060.00	Average	V	-	-	-82.59	18.03	42.44	53.98	-11.54
12060.00	Peak	V	-	-	-71.28	18.01	53.73	73.98	-20.25

Table 7-28. Radiated Measurements CDD (RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 72 of 113



Plot 7-72. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 6)



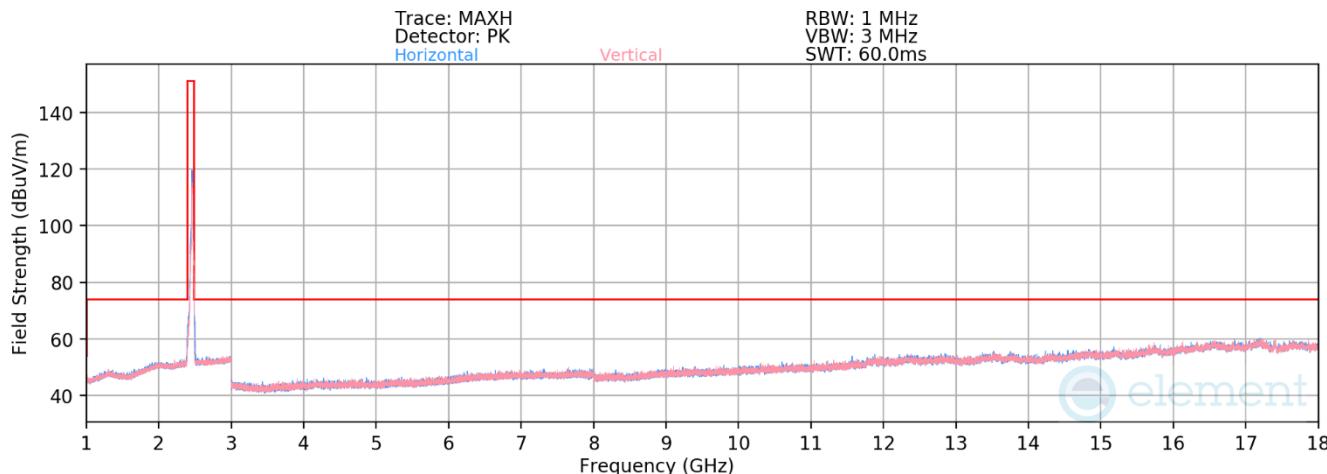
Plot 7-73. Radiated Spurious Emissions above 18GHz CDD (802.11ax OFDMA – RU242 – Ch. 6)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4874.00	Average	H	-	-	-79.94	7.57	34.64	53.98	-19.34
4874.00	Peak	H	-	-	-68.18	7.23	46.05	73.98	-27.93
7311.00	Average	V	-	-	-79.94	10.57	37.63	53.98	-16.35
7311.00	Peak	V	-	-	-68.65	10.43	48.78	73.98	-25.20
12185.00	Average	H	-	-	-82.39	17.58	42.19	53.98	-11.79
12185.00	Peak	H	-	-	-71.02	17.58	53.56	73.98	-20.42

Table 7-29. Radiated Measurements CDD (RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device				



Plot 7-74. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 11)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4924.00	Average	V	-	-	-80.00	7.47	34.47	53.98	-19.51
4924.00	Peak	V	-	-	-68.79	7.20	45.42	73.98	-28.56
7386.00	Average	V	-	-	-80.27	10.48	37.21	53.98	-16.77
7386.00	Peak	V	-	-	-69.37	10.76	48.39	73.98	-25.59
12310.00	Average	H	-	-	-82.74	18.74	43.00	53.98	-10.98
12310.00	Peak	H	-	-	-71.17	18.39	54.22	73.98	-19.76

Table 7-30. Radiated Measurements CDD (RU242)

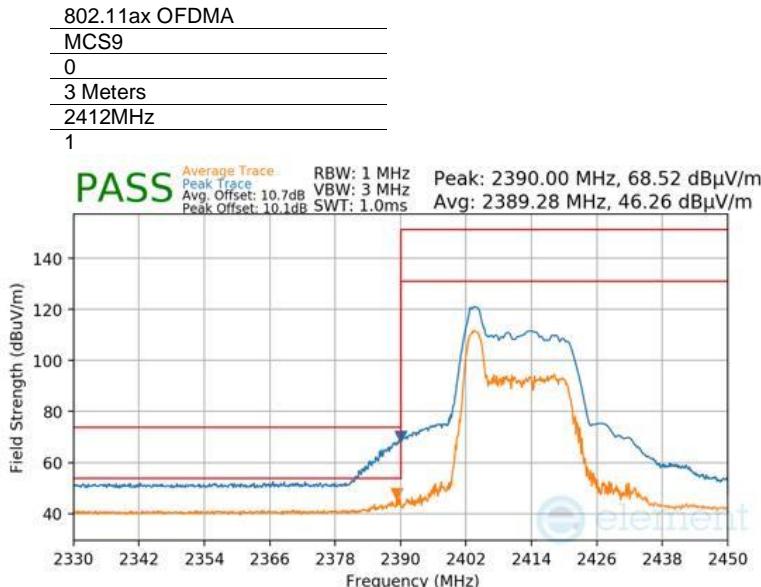
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 74 of 113

7.7.2 Antenna 3a Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

RU26

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-75 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU26)

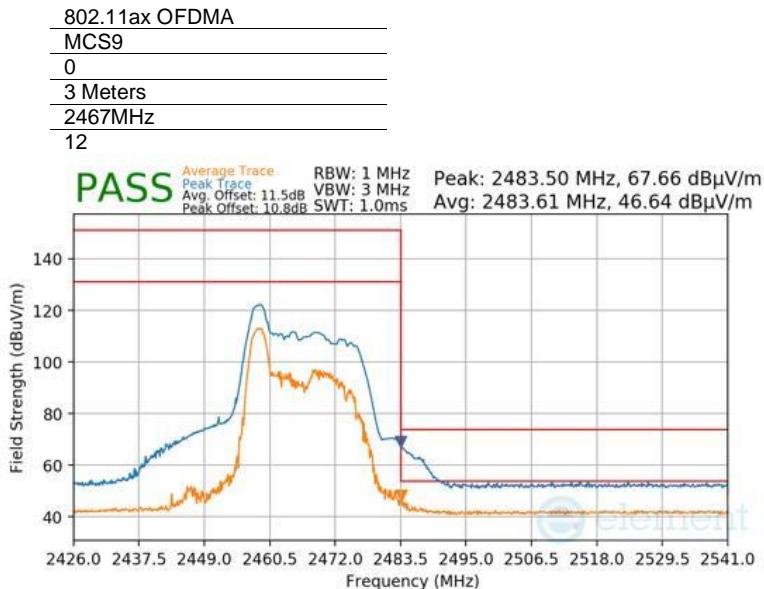
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-76 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU26)

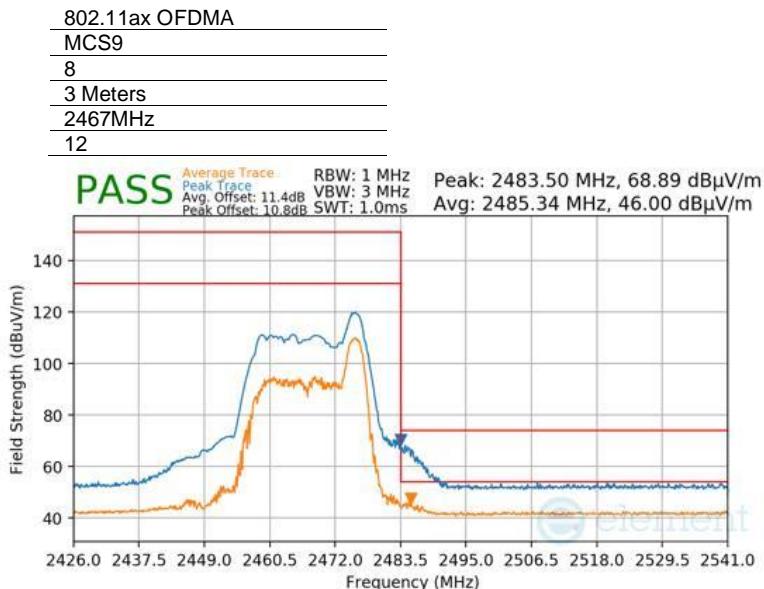
FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-77 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU26)

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12

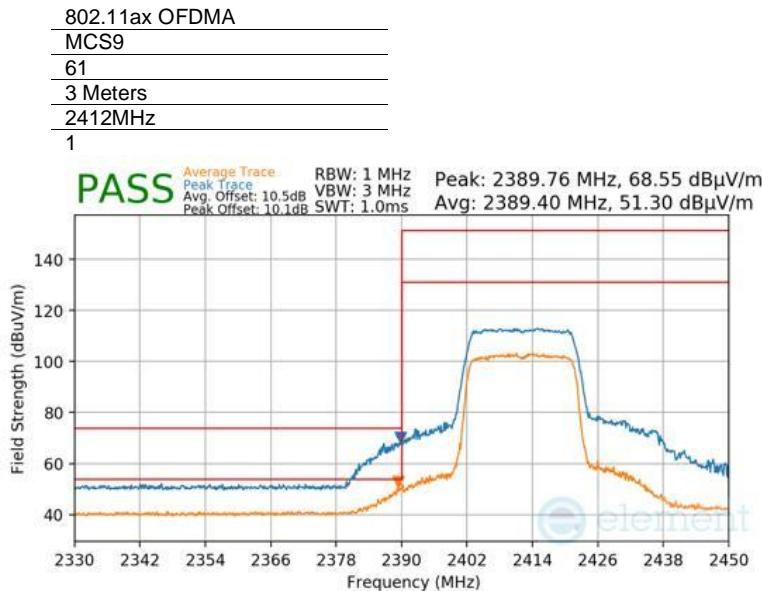


Plot 7-78 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU26)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 76 of 113

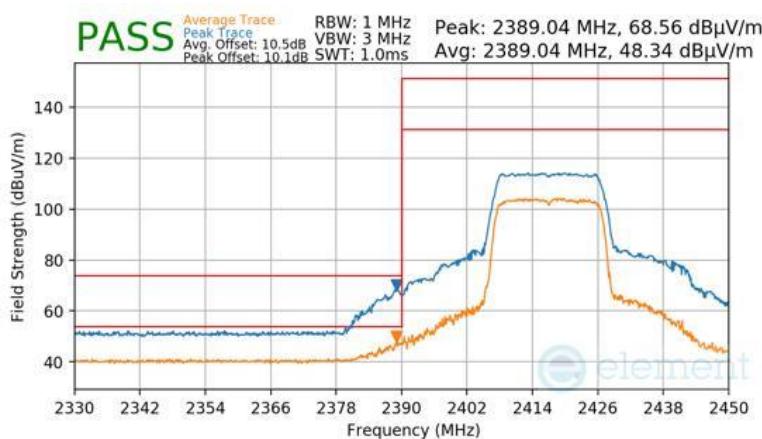
RU242

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-79 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

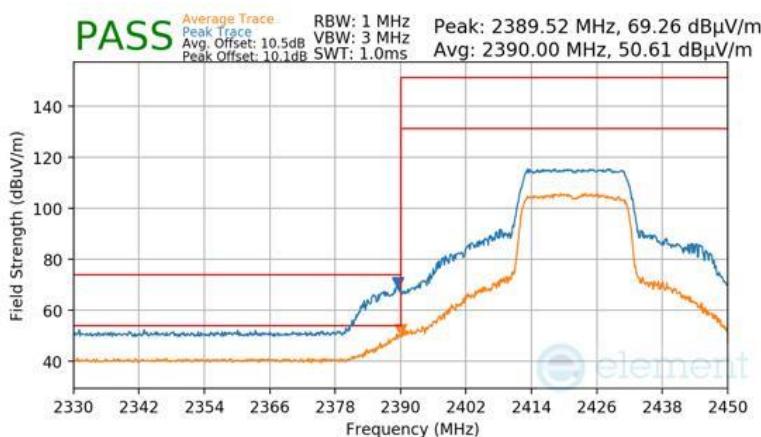
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-80 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

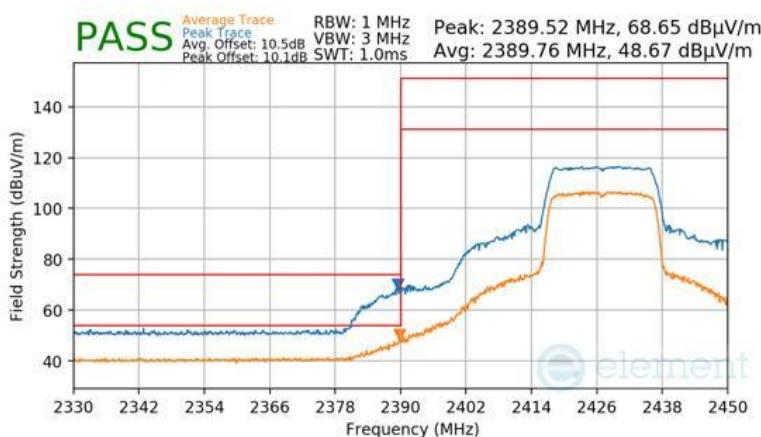
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 77 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-81 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

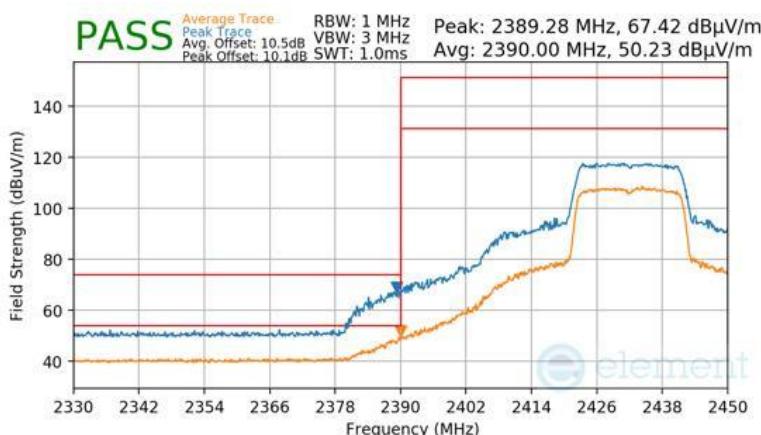
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-82 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

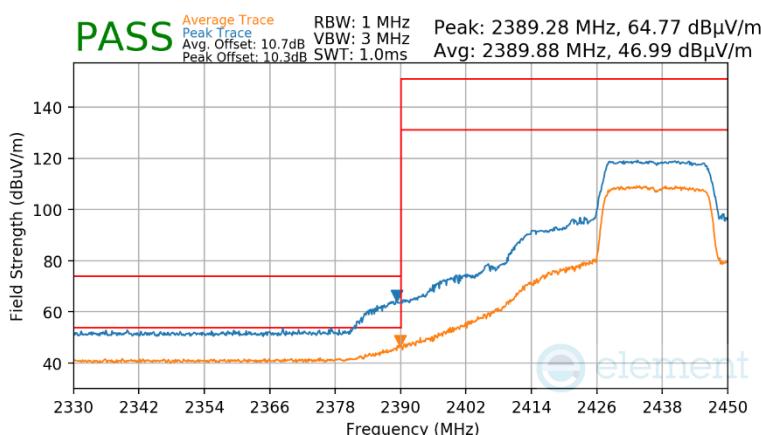
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 78 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-83 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

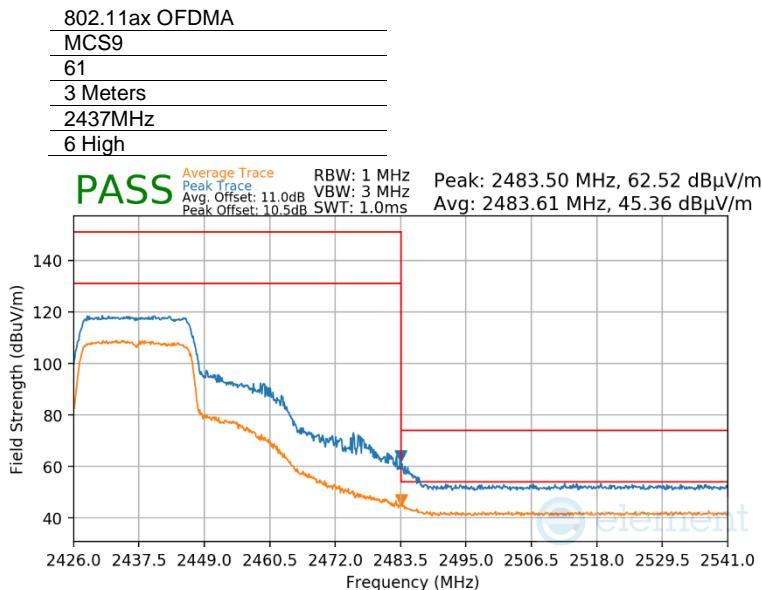
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 Low



Plot 7-84 Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)

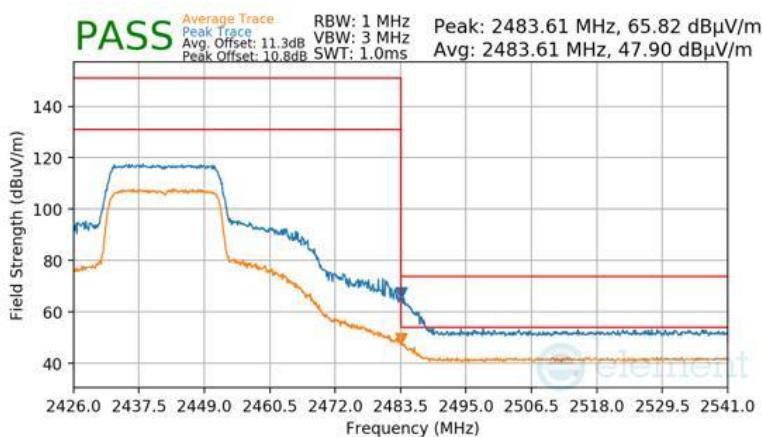
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 79 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 High



Plot 7-85 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

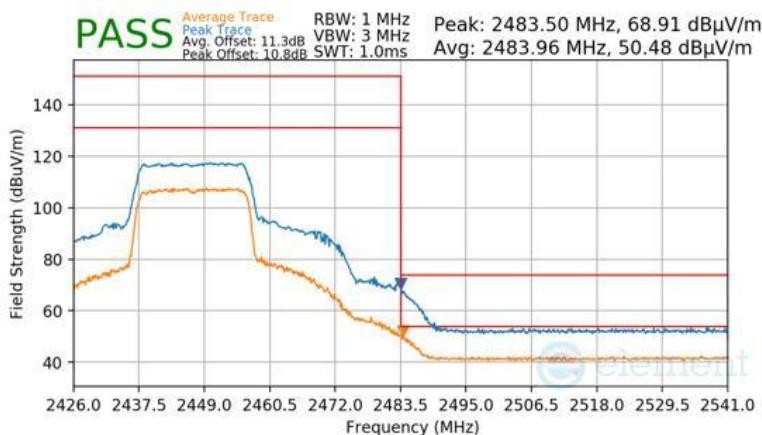
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-86 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

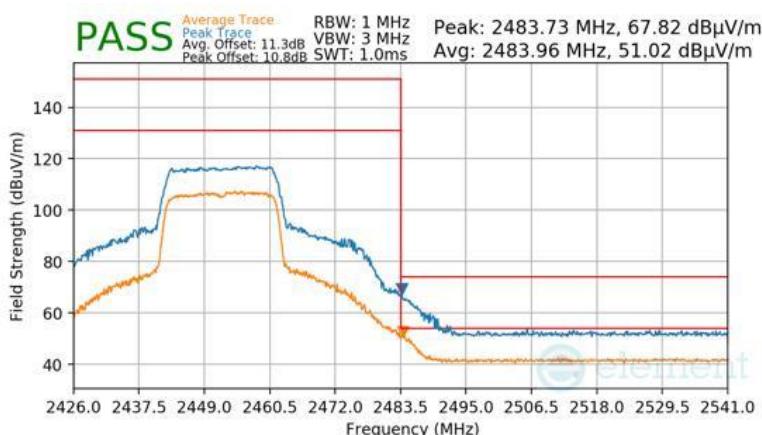
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 80 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-87 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

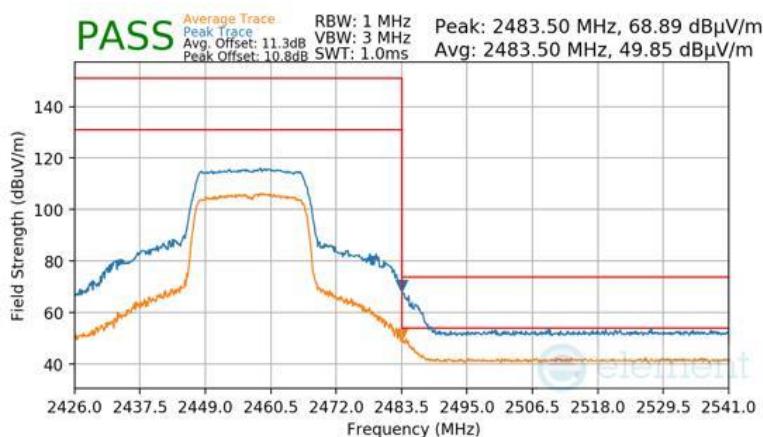
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-88 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

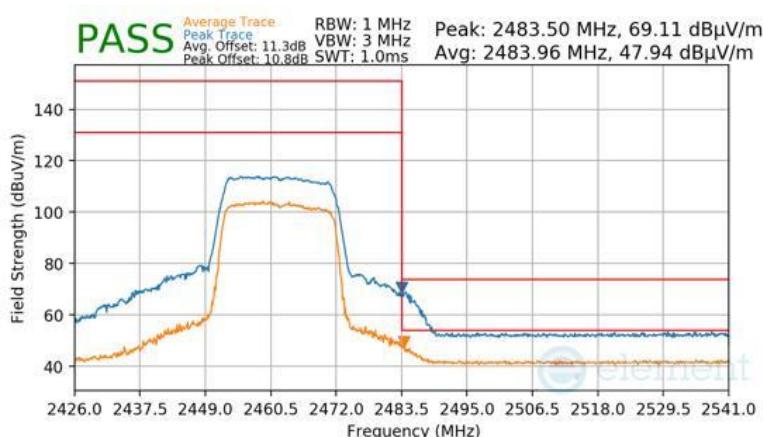
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 81 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-89 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

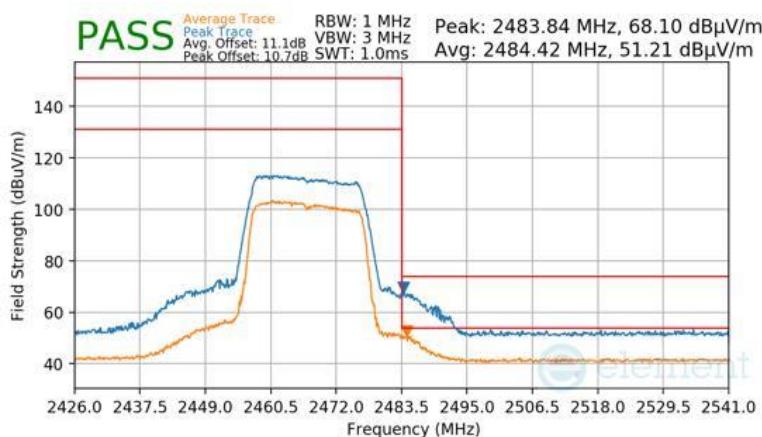
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-90 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 82 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-91 Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)

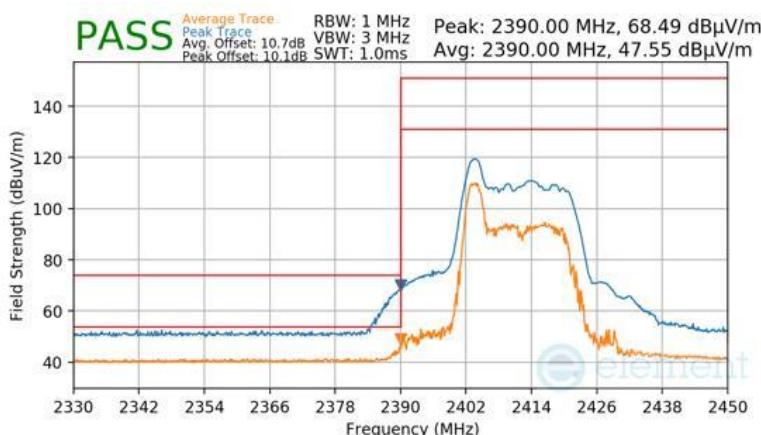
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 83 of 113

7.7.3 Antenna 1a Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

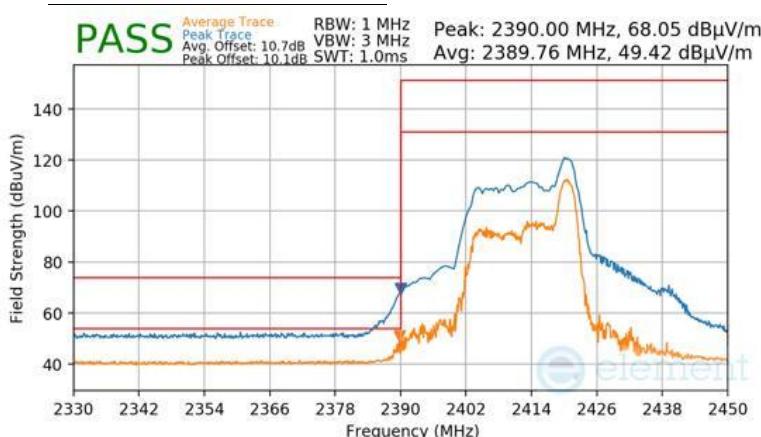
RU26

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-92 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU26)

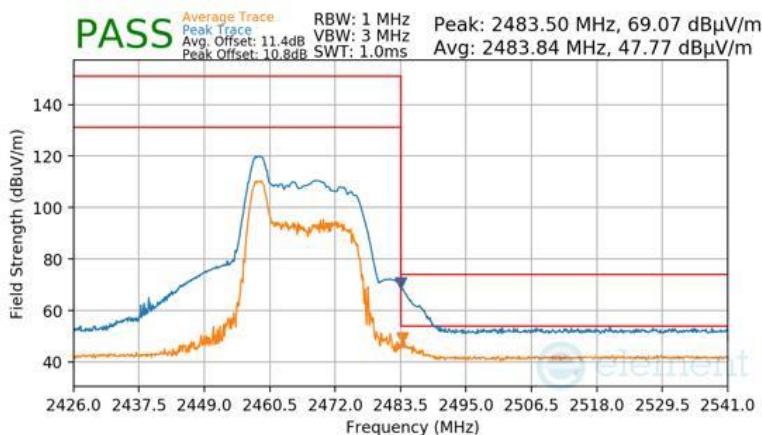
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-93 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU26)

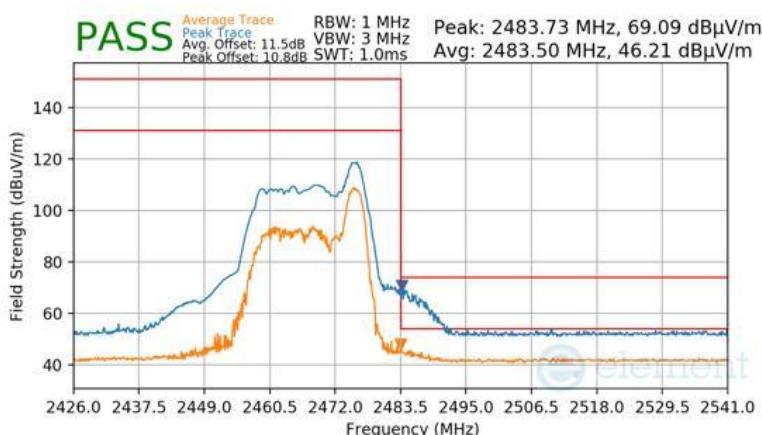
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 84 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-94 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU26)

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12

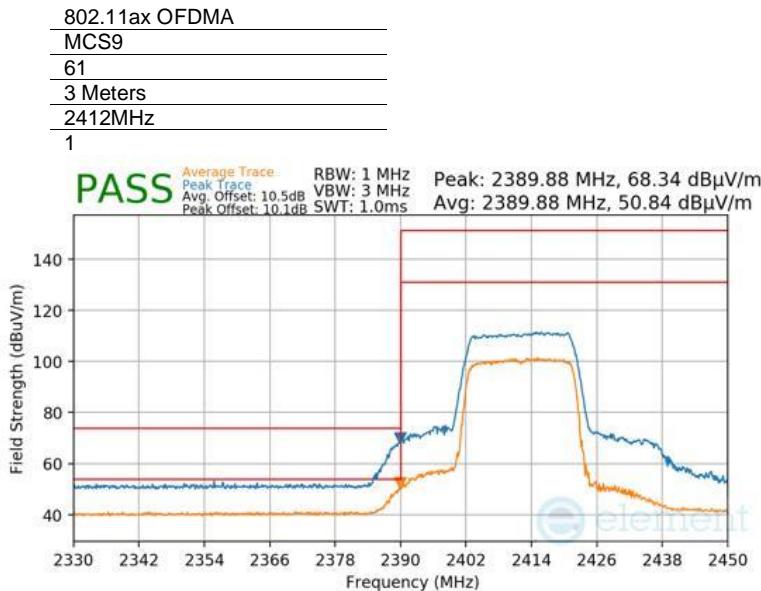


Plot 7-95 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU26)

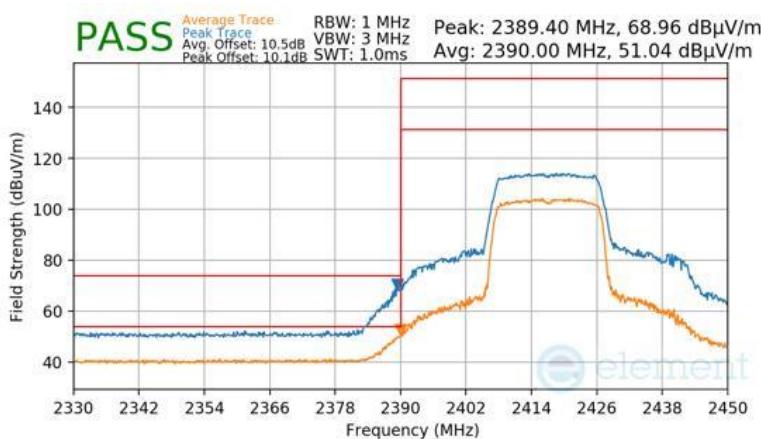
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 85 of 113

RU242

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

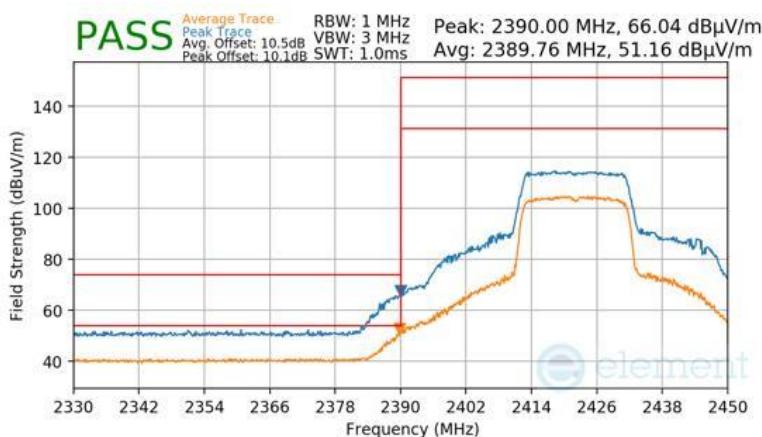

Plot 7-96 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2


Plot 7-97 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 86 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-98 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

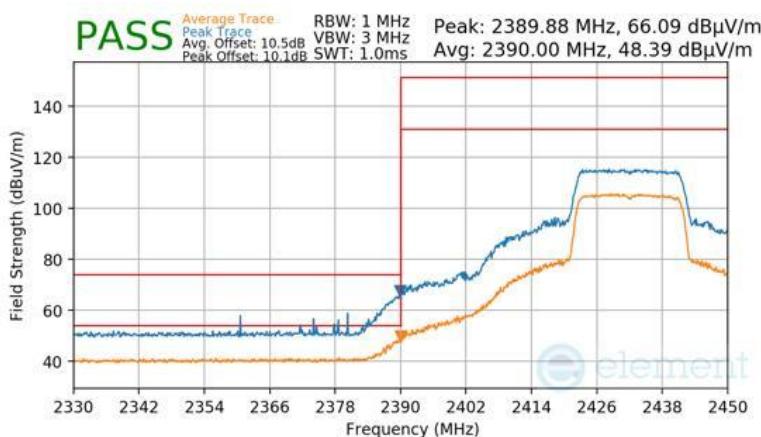
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-99 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

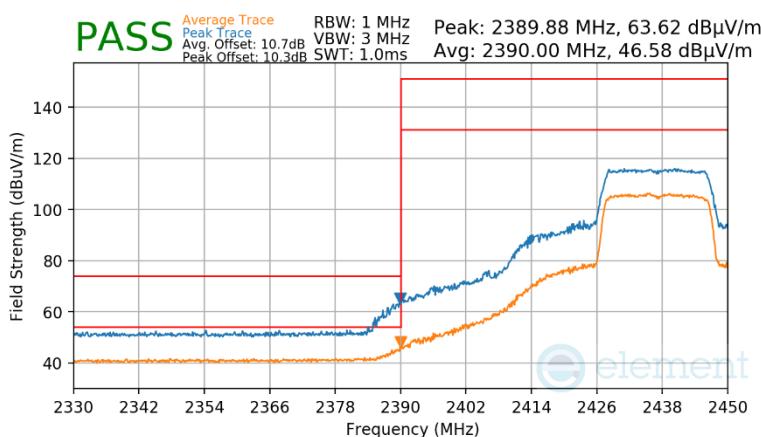
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 87 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-100 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

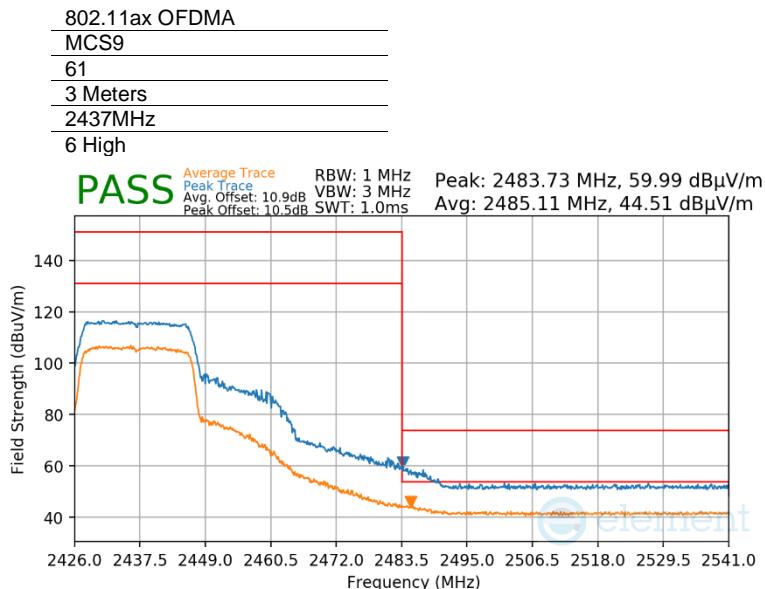
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 Low



Plot 7-101 Radiated Restricted Lower Band Edge Measurement Antenna 1a (Peak & Average – RU242)

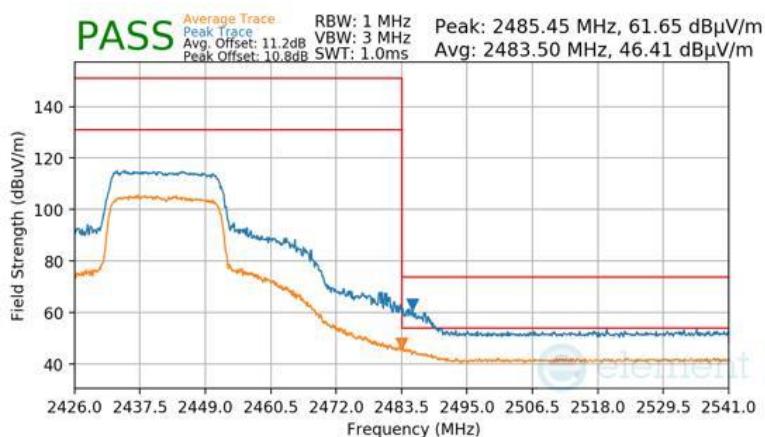
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 88 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 High



Plot 7-102 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

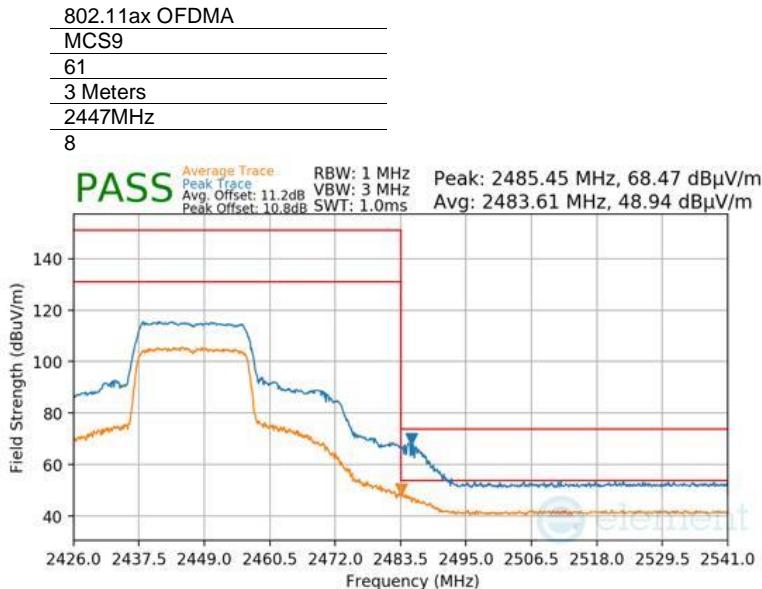
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-103 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

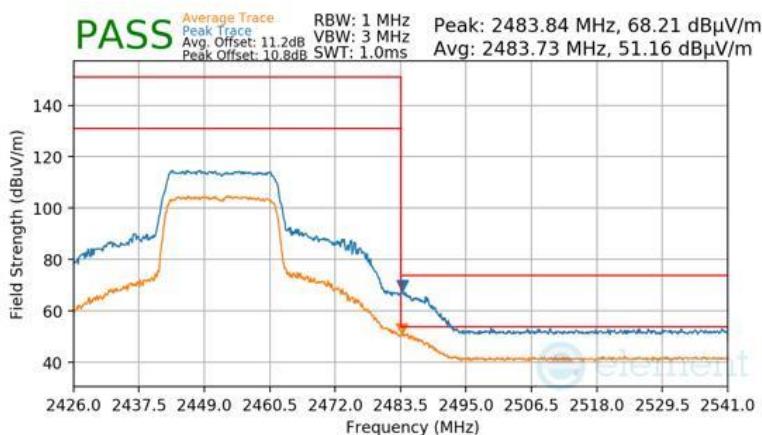
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 89 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-104 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

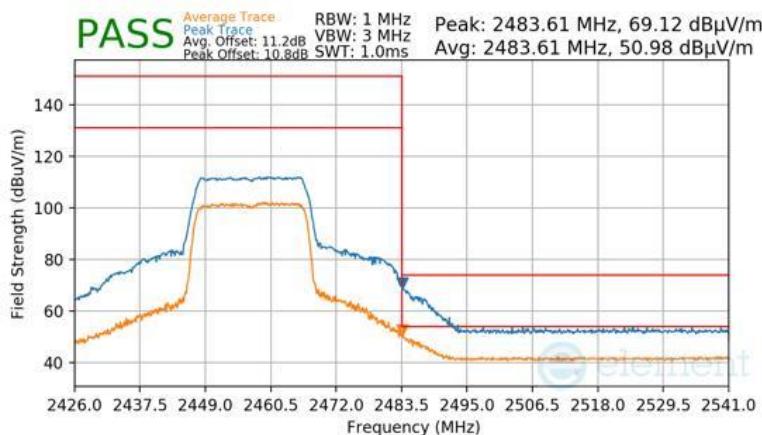
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-105 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

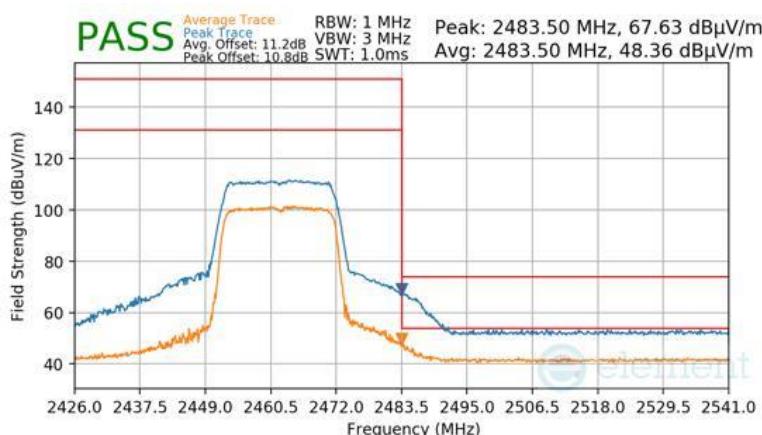
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 90 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-106 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

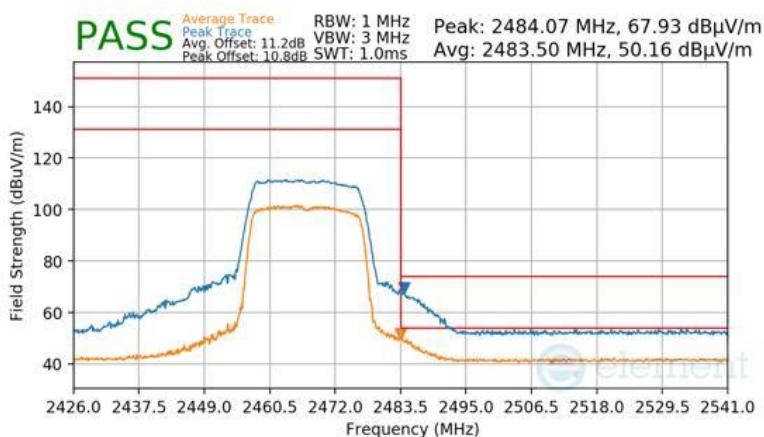
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-107 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 91 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-108 Radiated Restricted Upper Band Edge Measurement Antenna 1a (Peak & Average – RU242)

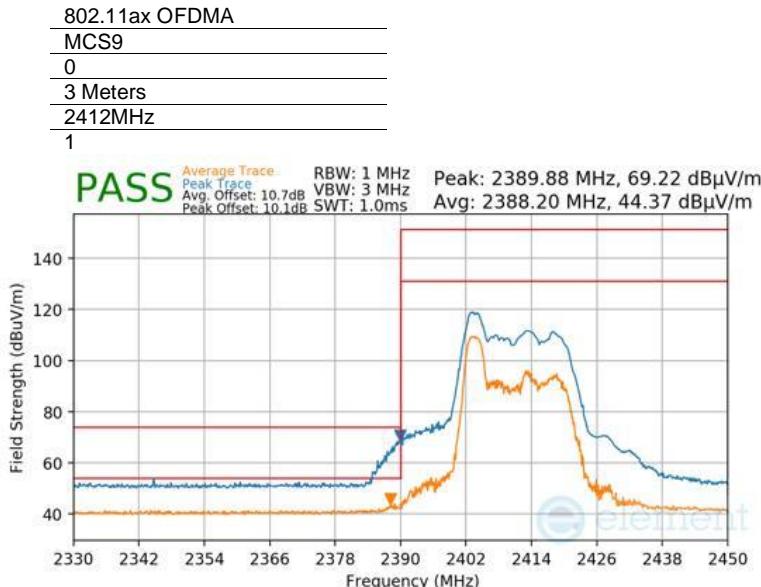
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 92 of 113

7.7.4 CDD Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

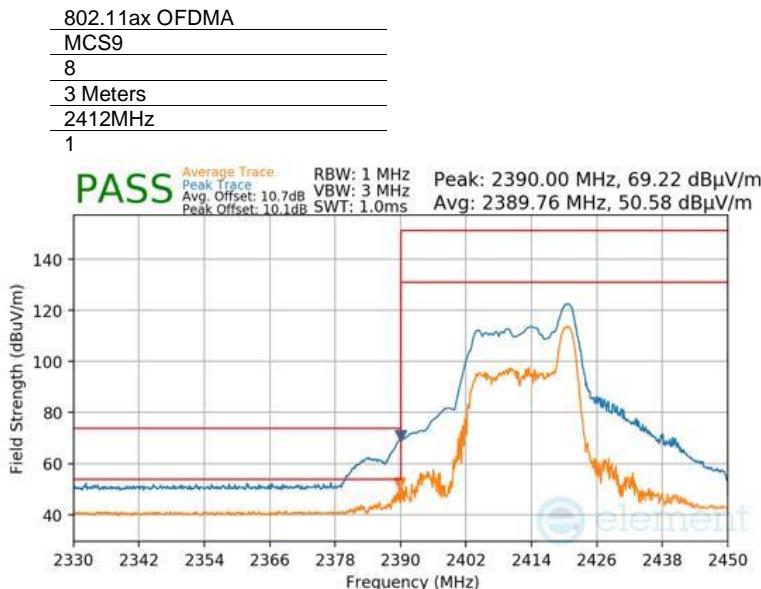
RU26

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-109 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU26)

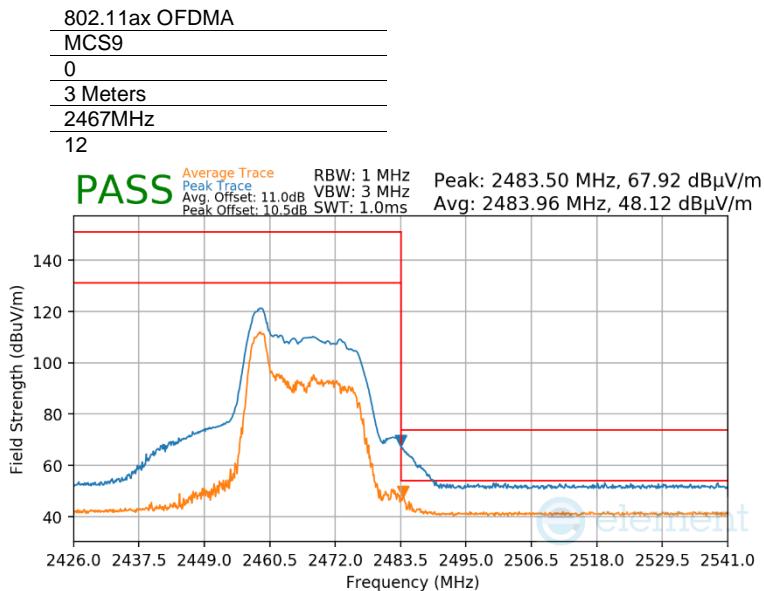
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-110 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU26)

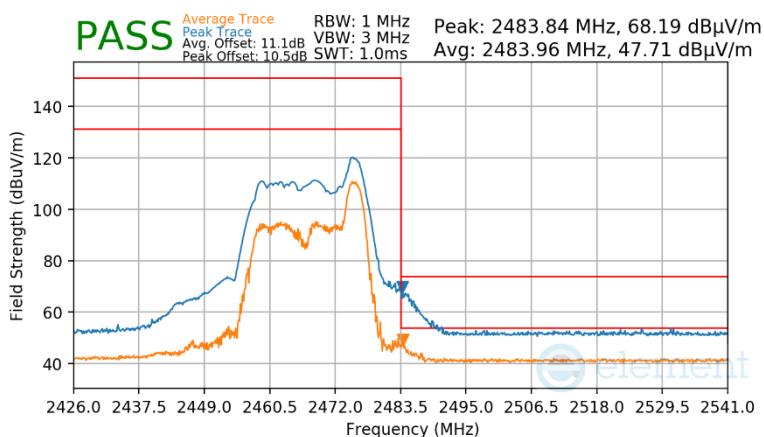
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 93 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-111 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 8
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12

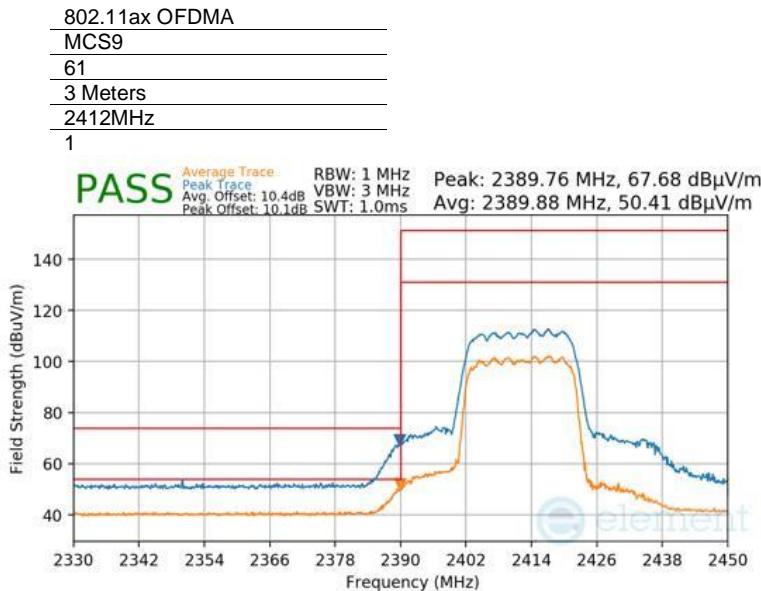


Plot 7-112 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU26)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 94 of 113

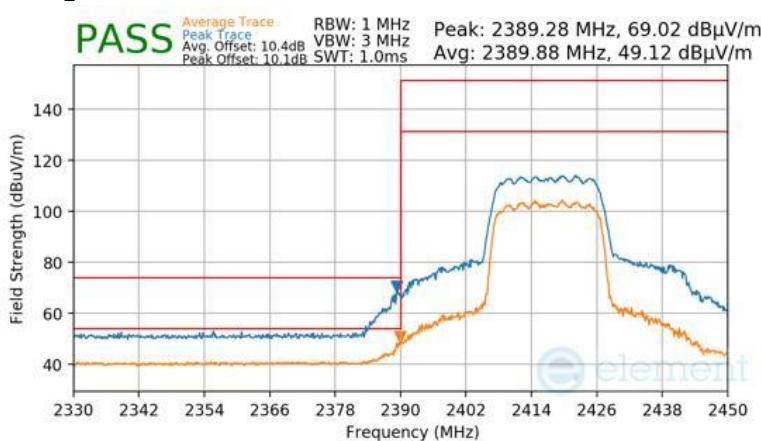
RU242

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-113 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

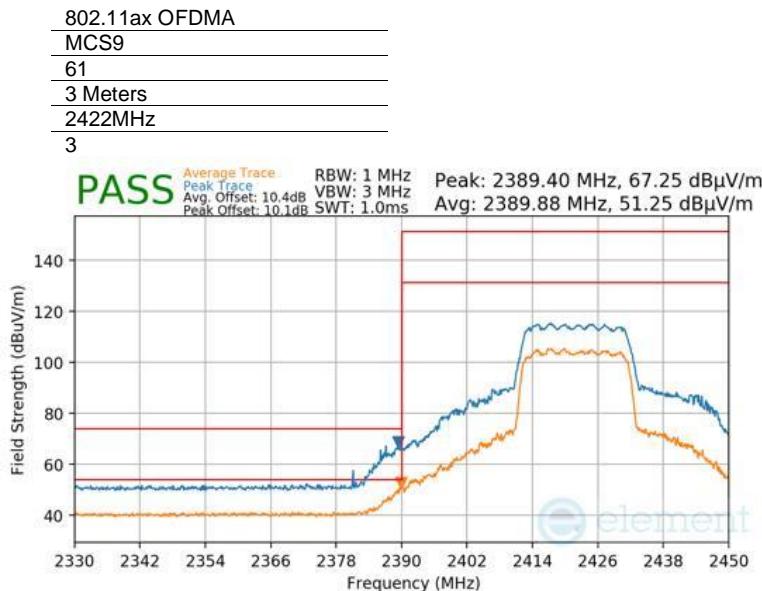
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-114 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

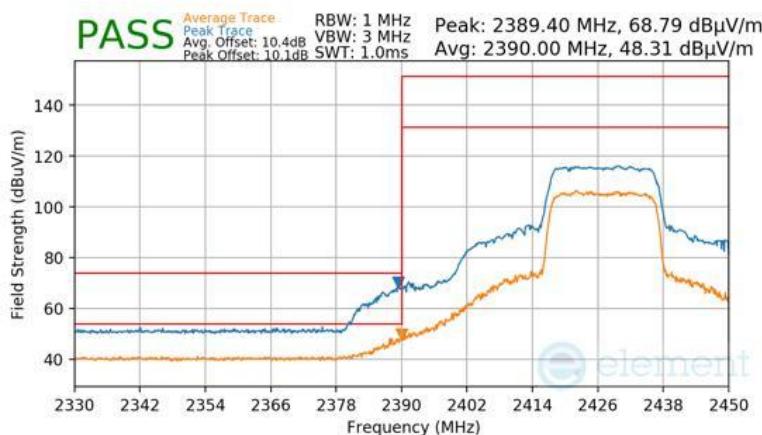
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 95 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-115 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

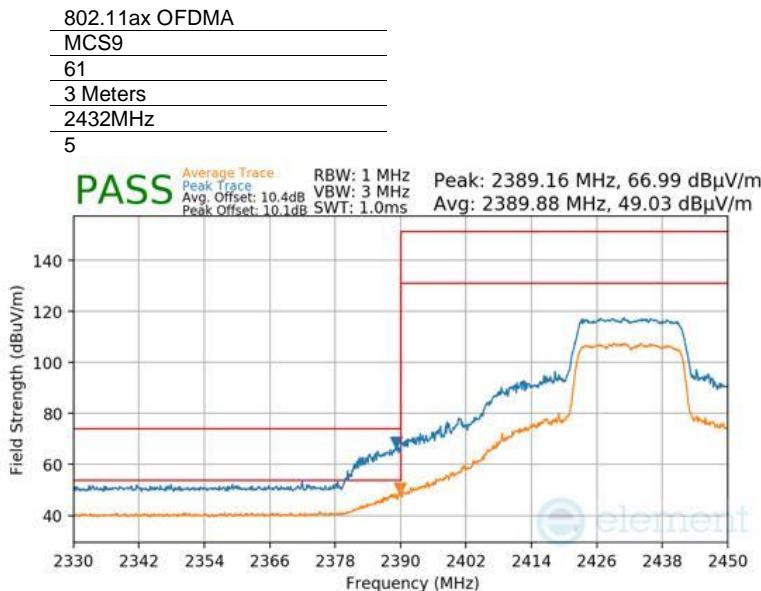
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-116 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

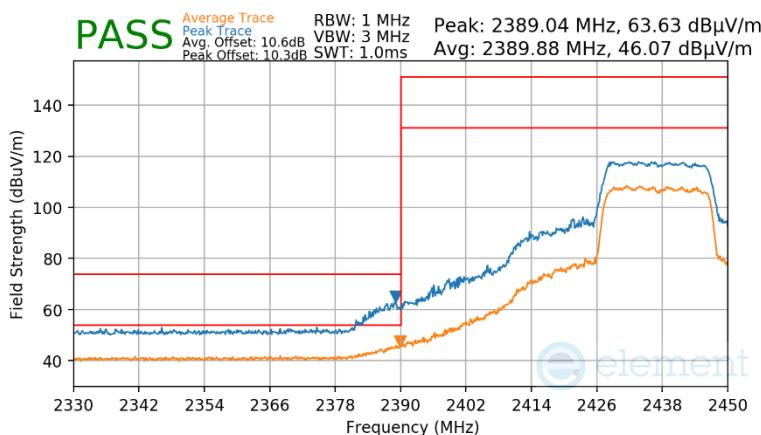
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 96 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-117 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

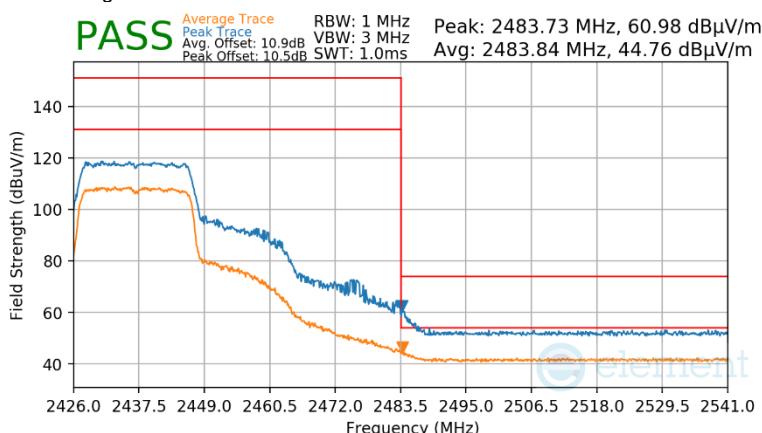
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 Low



Plot 7-118 Radiated Restricted Lower Band Edge Measurement CDD (Peak & Average – RU242)

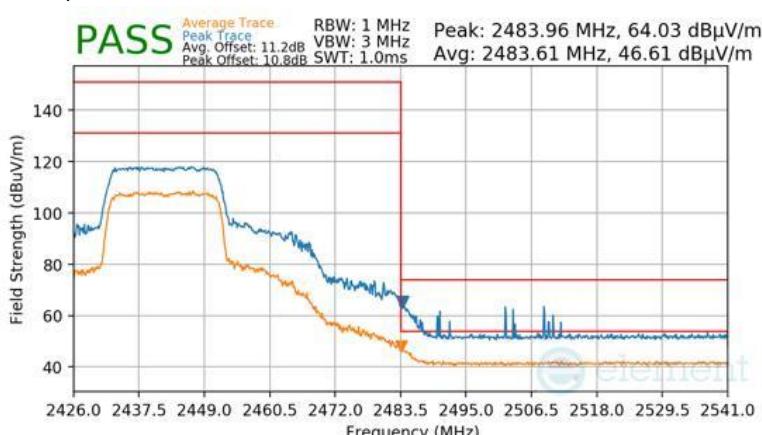
FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 97 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 High



Plot 7-119 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

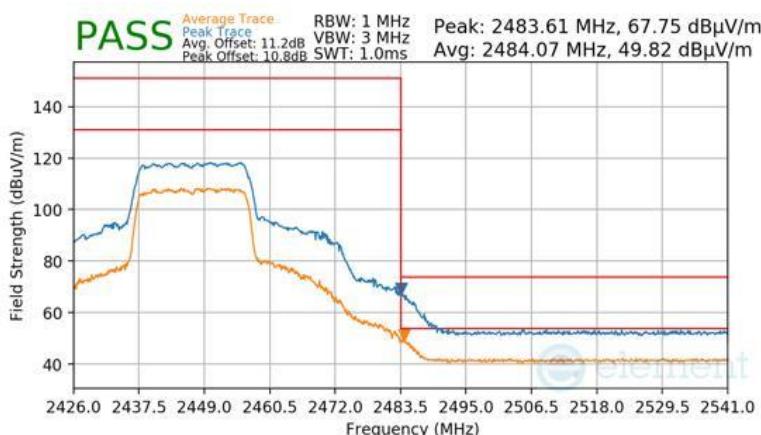
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-120 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

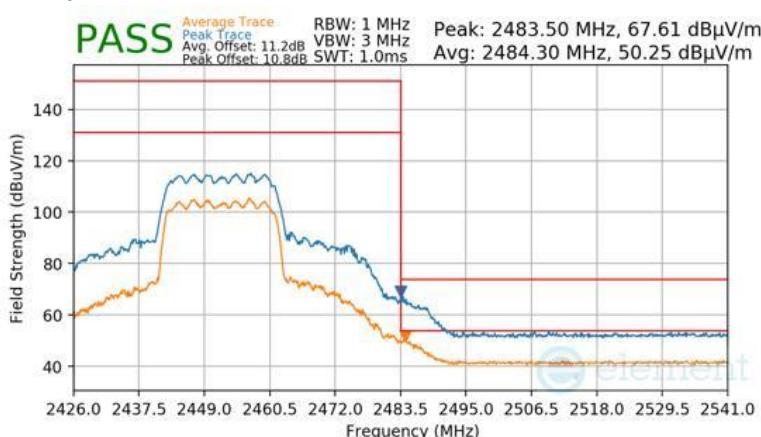
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 98 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-121 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

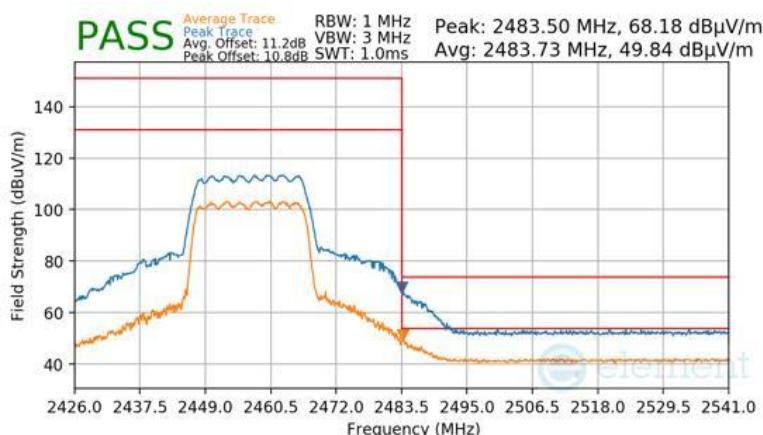
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-122 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

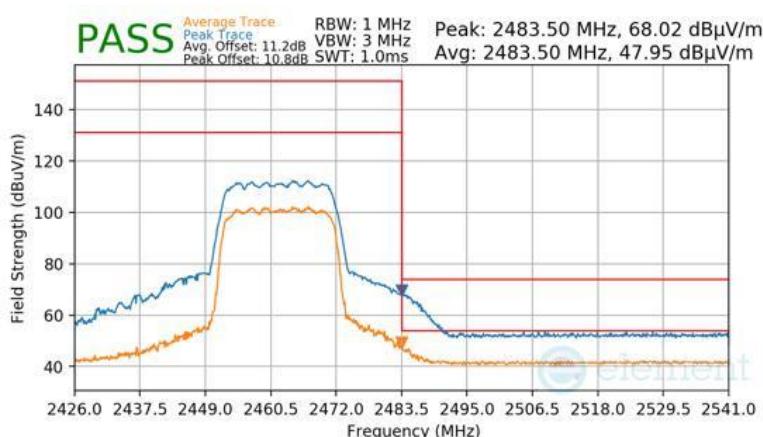
FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 99 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-123 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

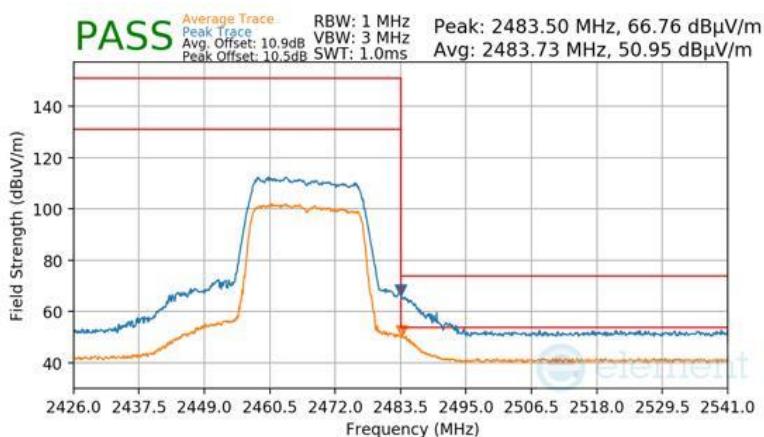
Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-124 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 100 of 113

Mode: 802.11ax OFDMA
 Transfer Rate: MCS9
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-125 Radiated Restricted Upper Band Edge Measurement CDD (Peak & Average – RU242)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 101 of 113

7.8 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-31 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-31. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 102 of 113

Test Setup

The EUT and Measurement equipment were set up as shown in the diagrams below.

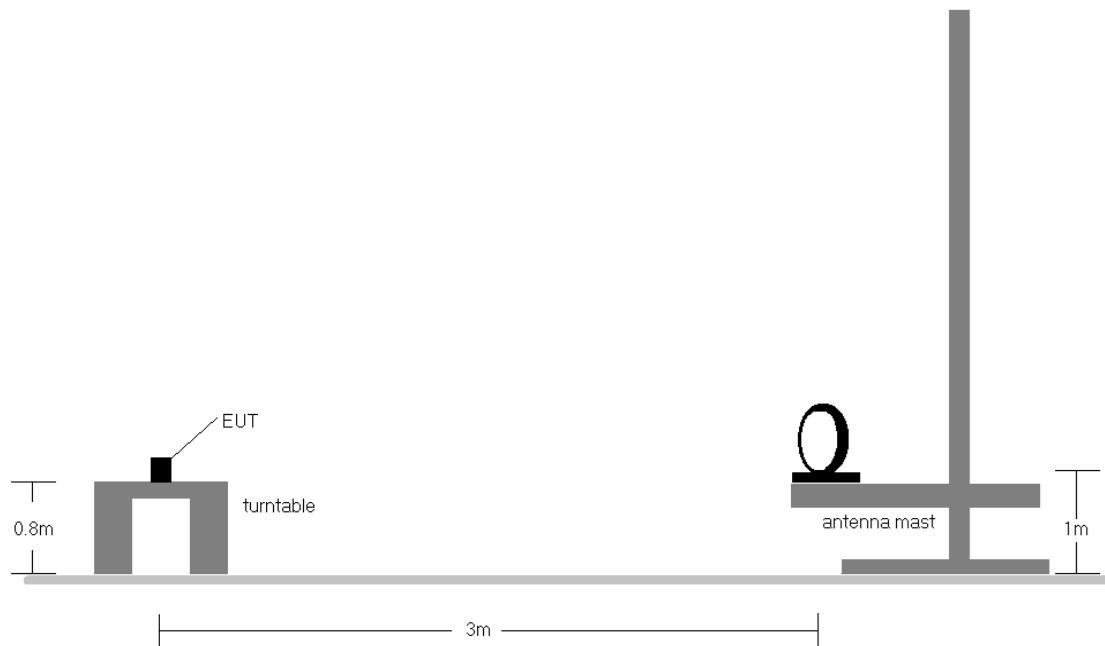


Figure 7-7. Radiated Test Setup < 30MHz

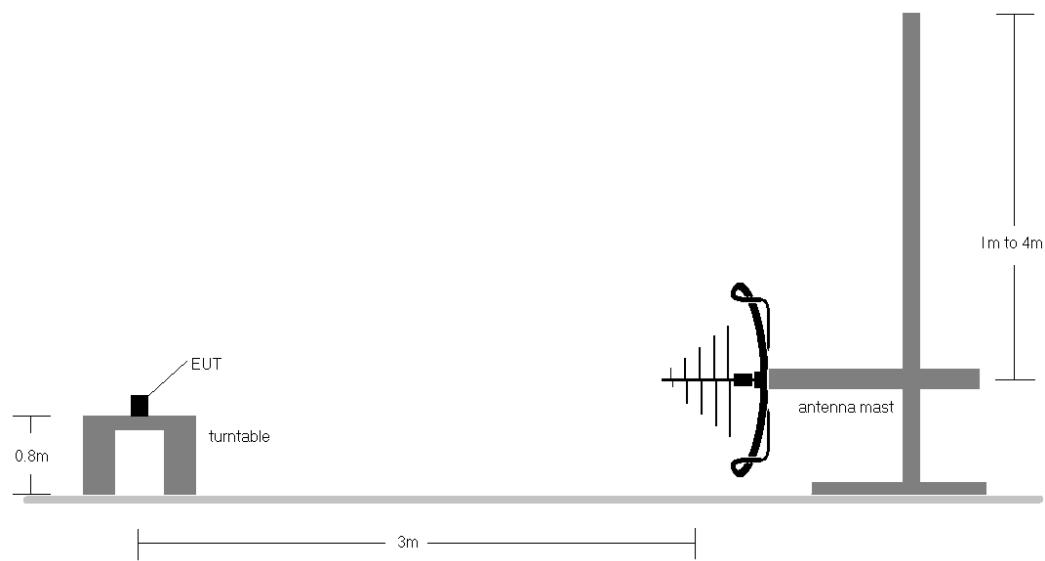


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 103 of 113 V 10.6 10/27/2023

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-31.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final Measurements are recorded using CISPR quasi peak detector for emissions within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the Measurement antenna was found to be less than 2:1.
9. All antenna configurations and data rates were investigated and only the worst case are reported.
10. For radiated Measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.
11. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger

Sample Calculations

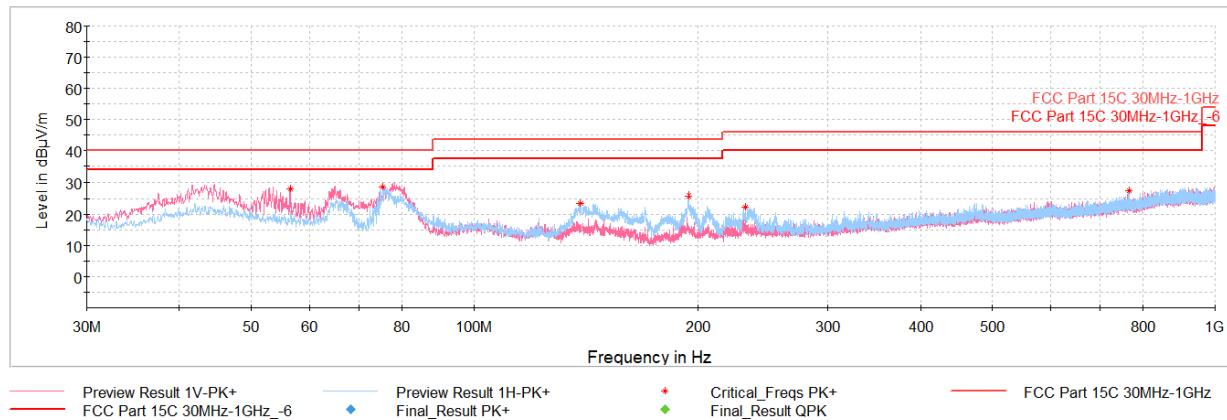
Determining Spurious Emissions Levels

- Field Strength Level $[\text{dB}_{\mu\text{V/m}}]$ = Analyzer Level $[\text{dBm}] + 107 + \text{AFCL} [\text{dB/m}]$
- AFCL $[\text{dB/m}]$ = Antenna Factor $[\text{dB/m}] + \text{Cable Loss} [\text{dB}] - \text{Preamplifier Gain} [\text{dB}]$
- Margin $[\text{dB}]$ = Field Strength Level $[\text{dB}_{\mu\text{V/m}}] - \text{Limit} [\text{dB}_{\mu\text{V/m}}]$

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-126. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter

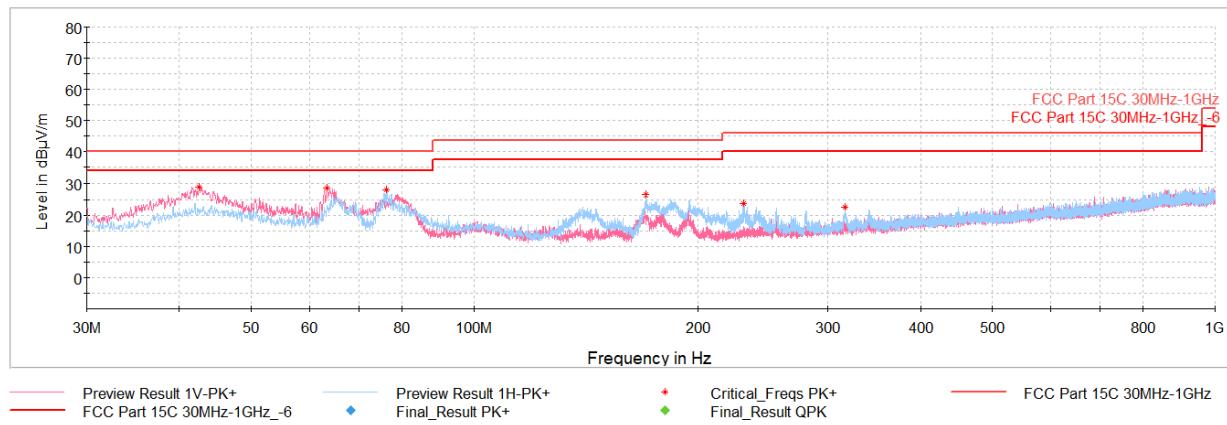
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
56.48	Max-Peak	V	100	305	-64.24	-14.87	27.89	40.00	-12.11
75.40	Max-Peak	H	200	285	-57.63	-21.00	28.37	40.00	-11.63
139.27	Max-Peak	H	200	148	-63.59	-20.10	23.31	43.52	-20.21
194.42	Max-Peak	H	100	228	-65.30	-15.97	25.73	43.52	-17.79
232.00	Max-Peak	H	100	224	-69.82	-15.01	22.17	46.02	-23.85
764.53	Max-Peak	H	100	234	-76.24	-3.67	27.09	46.02	-18.93

Table 7-32. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU26), with AC/DC Adapter

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device			

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Plot 7-127. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
42.56	Max-Peak	V	100	257	-63.19	-15.02	28.79	40.00	-11.21
63.37	Max-Peak	V	100	337	-61.96	-16.77	28.27	40.00	-11.73
76.27	Max-Peak	H	300	94	-57.91	-21.23	27.86	40.00	-12.14
170.12	Max-Peak	H	200	326	-62.24	-18.48	26.28	43.52	-17.24
231.08	Max-Peak	H	100	248	-68.10	-15.10	23.80	46.02	-22.22
316.59	Max-Peak	H	100	172	-71.79	-12.74	22.47	46.02	-23.55

Table 7-33. Radiated Spurious Emissions below 1GHz CDD Ch.6 (RU242), with AC/DC Adapter

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device			

7.9 AC Line-Conducted Emissions Measurement

§15.207; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-34. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, Subclause 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

The EUT and Measurement equipment were set up as shown in the diagram below.

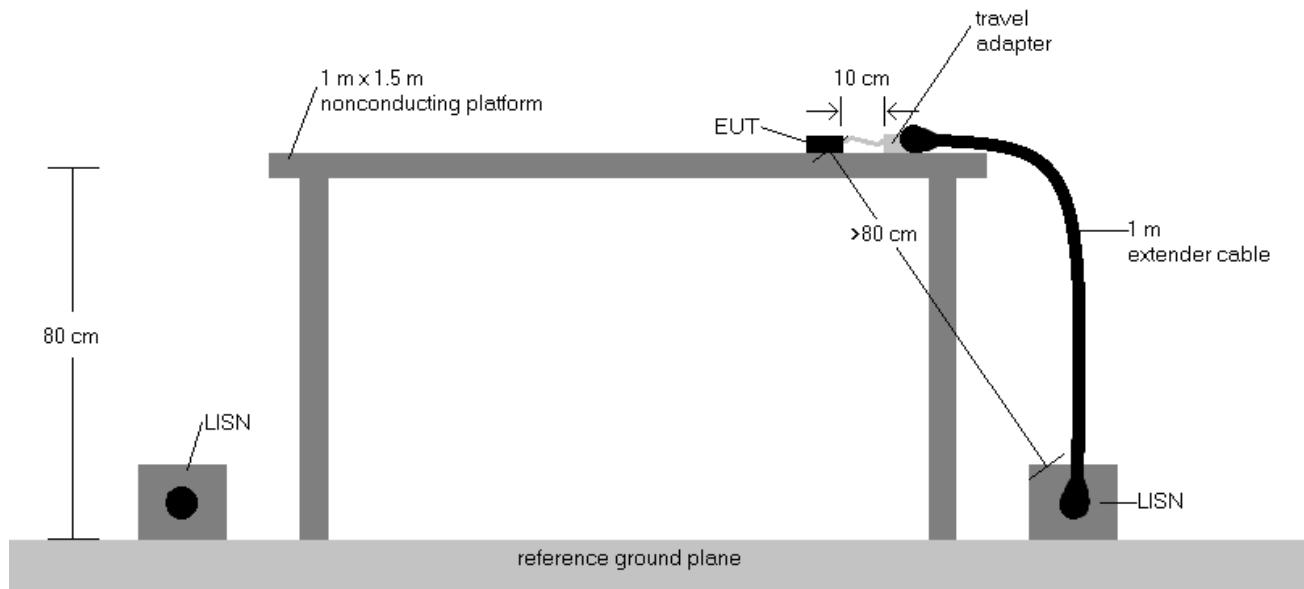
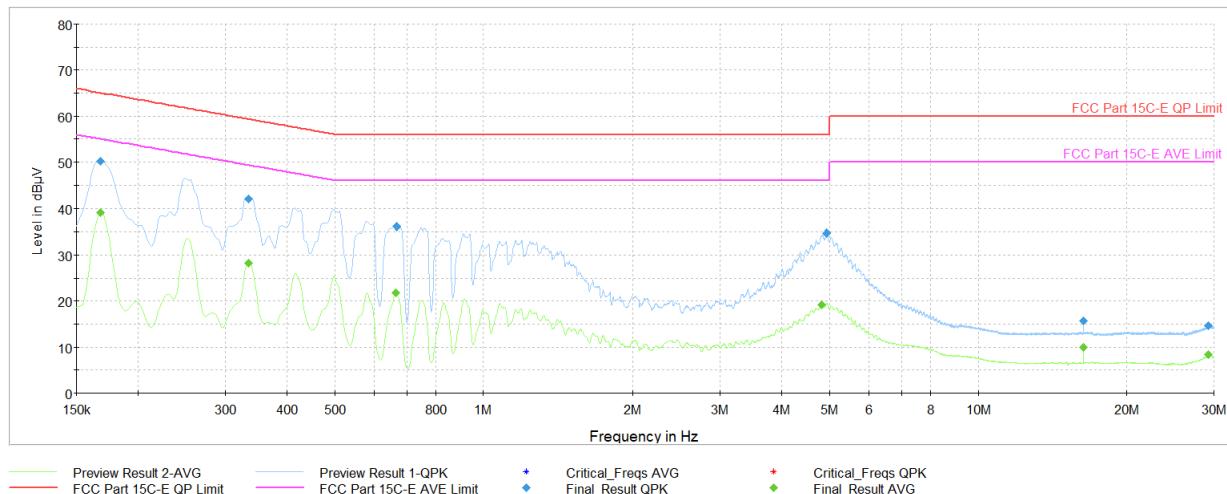


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.
9. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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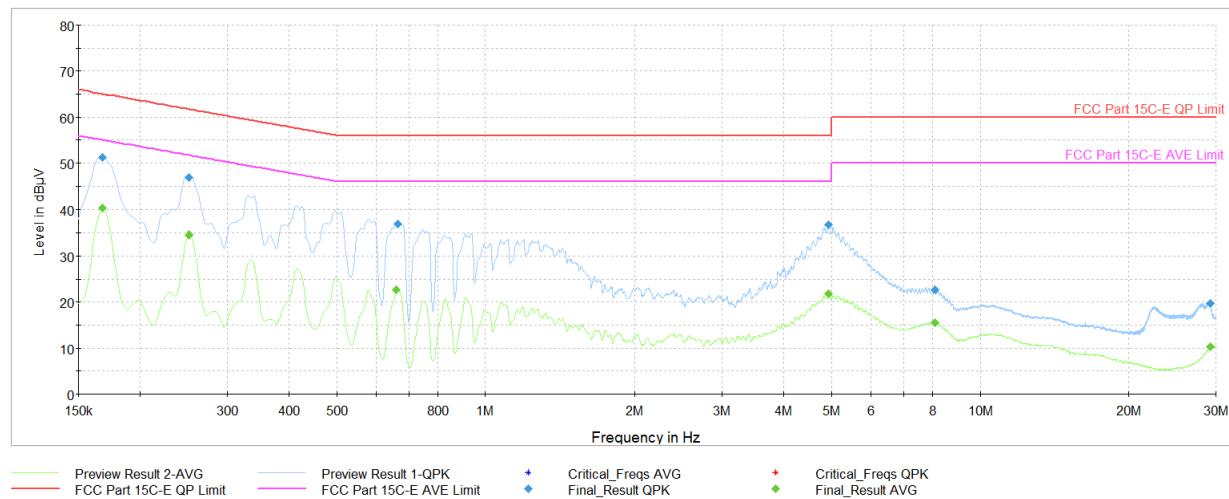


Plot 7-128. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (L1, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.168	FINAL	—	39.09	55.06	-15.97	L1	GND
0.168	FINAL	50.2	—	65.06	-14.85	L1	GND
0.335	FINAL	—	28.29	49.34	-21.05	L1	GND
0.335	FINAL	42.0	—	59.34	-17.36	L1	GND
0.665	FINAL	—	21.73	46.00	-24.27	L1	GND
0.668	FINAL	36.2	—	56.00	-19.85	L1	GND
4.828	FINAL	—	19.24	46.00	-26.76	L1	GND
4.929	FINAL	34.6	—	56.00	-21.39	L1	GND
16.325	FINAL	15.7	—	60.00	-44.27	L1	GND
16.328	FINAL	—	9.90	50.00	-40.10	L1	GND
29.236	FINAL	—	8.40	50.00	-41.60	L1	GND
29.236	FINAL	14.6	—	60.00	-45.42	L1	GND

Table 7-35. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (L1, with AC/DC Adapter)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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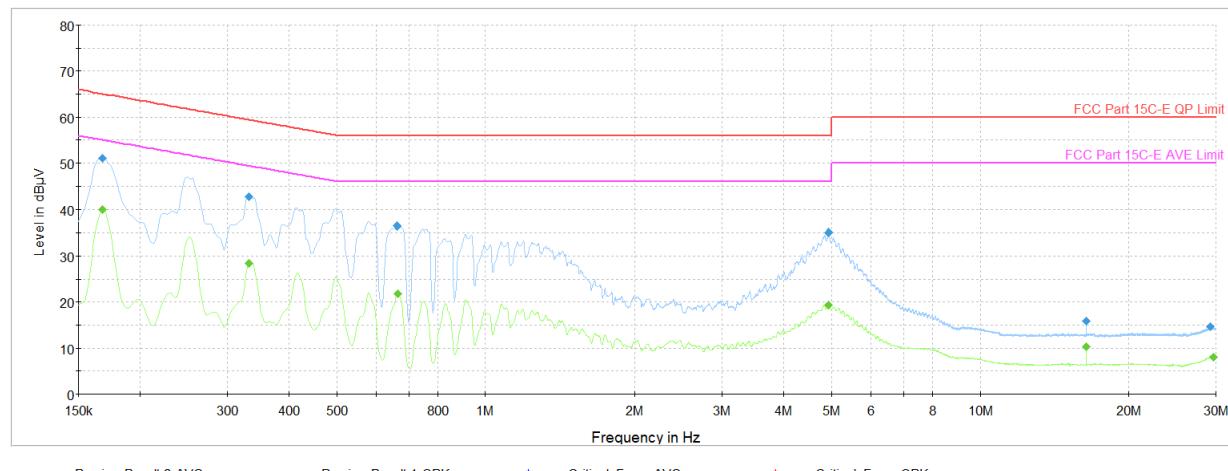


Plot 7-129. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 (N, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.168	FINAL	—	40.27	55.06	-14.79	N	GND
0.168	FINAL	51.3	—	65.06	-13.81	N	GND
0.251	FINAL	—	34.55	51.72	-17.16	N	GND
0.251	FINAL	46.8	—	61.72	-14.90	N	GND
0.661	FINAL	—	22.65	46.00	-23.35	N	GND
0.665	FINAL	36.8	—	56.00	-19.20	N	GND
4.936	FINAL	36.5	—	56.00	-19.46	N	GND
4.936	FINAL	—	21.73	46.00	-24.27	N	GND
8.084	FINAL	22.7	—	60.00	-37.31	N	GND
8.097	FINAL	—	15.43	50.00	-34.57	N	GND
29.211	FINAL	19.8	—	60.00	-40.24	N	GND
29.234	FINAL	—	10.31	50.00	-39.69	N	GND

Table 7-36. AC Line Conducted Data with 802.11ax (RU26) Ch.6 (N, with AC/DC Adapter)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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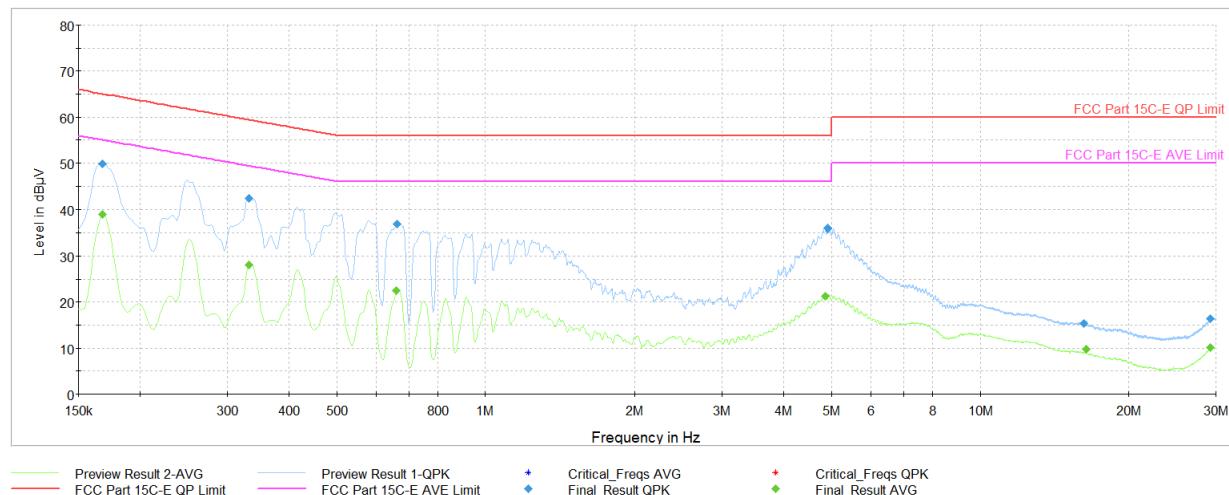


Plot 7-130. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (L1, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.168	FINAL	—	39.96	55.06	-15.10	L1	GND
0.168	FINAL	51.0	—	65.06	-14.04	L1	GND
0.332	FINAL	—	28.47	49.40	-20.92	L1	GND
0.332	FINAL	42.7	—	59.40	-16.72	L1	GND
0.663	FINAL	36.4	—	56.00	-19.60	L1	GND
0.665	FINAL	—	21.83	46.00	-24.17	L1	GND
4.925	FINAL	—	19.41	46.00	-26.59	L1	GND
4.936	FINAL	35.0	—	56.00	-20.98	L1	GND
16.373	FINAL	15.9	—	60.00	-44.11	L1	GND
16.373	FINAL	—	10.21	50.00	-39.79	L1	GND
29.236	FINAL	14.7	—	60.00	-45.29	L1	GND
29.679	FINAL	—	8.09	50.00	-41.91	L1	GND

Table 7-37. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (L1, with AC/DC Adapter)

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-131. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 (N, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.168	FINAL	—	38.86	55.06	-16.20	N	GND
0.168	FINAL	49.9	—	65.06	-15.19	N	GND
0.332	FINAL	—	28.14	49.40	-21.25	N	GND
0.332	FINAL	42.4	—	59.40	-17.01	N	GND
0.661	FINAL	—	22.57	46.00	-23.43	N	GND
0.663	FINAL	36.8	—	56.00	-19.25	N	GND
4.848	FINAL	—	21.29	46.00	-24.71	N	GND
4.918	FINAL	35.8	—	56.00	-20.18	N	GND
16.190	FINAL	15.4	—	60.00	-44.63	N	GND
16.420	FINAL	—	9.68	50.00	-40.32	N	GND
29.234	FINAL	—	10.04	50.00	-39.96	N	GND
29.236	FINAL	16.4	—	60.00	-43.62	N	GND

Table 7-38. AC Line Conducted Data with 802.11ax (RU242) Ch.6 (N, with AC/DC Adapter)

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA3267, IC: 579C-A3267** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA3267 IC: 579C-A3267	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-15.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 113 of 113